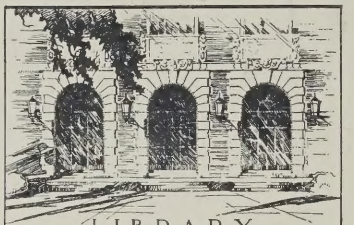


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vol. III

studio gram
maticę artis in
ductum: non
solum uersuum
moderatione
quam pauci
peruiderunt.
Sed historiarum quoque uaria aetate qua
scientia rerum perspicitur prestare uideo. quę
facilius etiam scriptis tuis perspici potest. de
siderans potius scientem quam liberalem
iudicem. tamen quo magis exercitatus. et non
nullis etiam sepius in his rebus occupatus
esse uideor. ne nichil in adolescentia laboras
se dicerer. et imperitorum iudicio desidię su
birem crimen: hoc uelut rudimento scien
tię nisus. scripsi ad te. non ut imperito mon
strans. sed ut scientissimum commonens.
spe〈rę〉 figurationem circulorumque qui in eo
sunt. notationem et quę ratio fuerit. ut
non ęquis partibus diuideretur. Preterea ter
rę. marisque diffinitionem et quę partes eius
non habitantur. ut multis iustisque de causis
hominibus carere uideantur ordine exposu
imus et rursus redeuntes ad speram duo et
triginta signa nominatim pronuntiauimus.
Exinde uniuscuiusque signi hystorias. cau
samque ad sydera plationis ostendimus. Eo
dem loco nobis uisum est utile. persequi eorum
corporum deformationem et in his numerum
stellarum. nec pretermisimus ostendere ad
septem circulorum notationem. que corpora
aut partes corporum peruenirent. et quemad
modum ab his diuiderentur. Diximus etiam
in estiui circuli diffinitione: querentes qua
re non idem hiemalis uocaretur. et quid eos
fefellerit qui ita senserint. et quid in ea par
te spere solis efficiat cursus. Preterea qua
re circulos in octo partes diuideremus ordi
ne exposuimus. Scripsimus etiam quo loco cir
culus aequinoctialis foret constitutus. et quid
efficeret ad eum perueniens sol in eiusdem circu
li demonstratione ostendimus quare aries inter
sidera celerrimus diceretur. Pauca preterea de
hiemali circulo diximus. exinde zodiacum cir
culum diffinivimus. et eius effectus. et quare
potius duodecim signa quam undecim nu
merarentur. quid etiam nobis de reliquis
circulis uideretur. His propositis rebus ad id
loci uenimus ut exponeremus utrum mun
dus ipse cum stellis uerteretur. an mundo
stante. uagę stellę ferrentur. et quid de eo
nobis et compluribus uideretur et qua ra
tione ipse mundus uerteretur. Preterea non
nulla signa celerius exorta serius occiderent.
non nulla etiam tardius ceteris exorta citi
us ad occasum peruenirent. quare etiam quę
signa pariter oriantur non simul occidant.
eodem loco diximus quare non essent in
spera superiora inferioribus hemicicli aequa
lia. et quot modis stellas uidere non possi
mus. Preterea scripsimus in duodecim signo
rum ortu quę de reliquis corpora exoriri.
et quę eodem tempore occidere uiderentur.
Deinde ordine perscripsimus. sol utrum cum
mundo fixus uerteretur. an ipse per se mouere
tur. et cum ipse per se moueatur et contra duo
decim signorum cursus erat. quare uideatur
cum mundo exoriri et occidere. Deinde pariter
de lunę cursu pauca proposuimus et utrum
suo an alieno lumine uteretur. Eclypsis so
lis et lunę quomodo fieret: quare luna per eun
dem circulum iter faciens celerius sole cur
rere uideatur. et quid fefellerit eos qui ita
senserint. Quinque stellę quantum habeant
interuallum et utrum quinque sint an non
et utrum quinque certe errent an omnes et quinque
quomodo currant. Diximus etiam qua ra
tione priores astrologi non eodem tempore
signa et reliquas stellas reuerti dixerint. et
quare reliquos fefellerit in eadem causa.
In his igitur tam multis et uariis rebus.
non erit mirum aut permescendum quod
tantum numerum uersuum scripserimus
Neque enim magnitudinem uoluminis. sed
rerum multitudinem peritos conuenit specta

te. Quod si longior in sermone usus fuero. non mea facunditate. sed rei necessitate factum existimato. nec si brevius aliquid dixero minus idem valere confidito. quam si pluribus esset audiendum verbum. Et enim preter nostram scriptionem spere que fuerunt a barbato obscurius dicta persecuti planius ostendimus. ut penitus id quod cepimus exquisisse videremur. Quod si uel optimis usus auctoribus effecti. ut neq; breuius neq; uerius diceret quisquam non inmerito fuerim laudari dignus a uobis que uel amplissima laus hominib; est doctis. Si minus non deprecamur in hac confectione nostram scientiam ponderari ideoq; maioribus etiam nostri laboribus cogitamus in quibus et ipsi exerceamur. et quib; uolumus nos probare possimus. Et enim necessarius nris hominibus. scientissimus maximas res scripsimus non leuib; occupati rebus populi captamus existimationem. sed ne diutius de eo quod negligimus loquamur ad propositum ueniemus et initium rerum demonstrabimus.

undus appellatur is qui constat ex sole
et luna et terra et omnibus stellis. Spe
ra est. species quedam in rotundo confor
mata omnibus ex partibus aequalis apparens
unde reliqui circuli finiuntur. Huius autem
neque exitus neque initium potest definiri. Ideo
quod in rotundo omnis tractus et initia et exitus
significari possunt. Centron est cuius ab initio
circumductio spere terminatur. ac terre posi
tio constituta declaratur. Dimensio que toci
ostenditur spere cum exutrisque partibus eius
ad extremam circumductionem recte aut uir
gule producuntur que dimensio a compluribus
axis est apellata. Huius autem cacumina
quibus maxime spera nititur poli appellan
tur. Quorum alter ad aquilonem spectans
boreus. alter oppositus austro nothus est
dictus. Significationes quedam in circum
ductione spere circuli appellantur e quibus
paralelle dicuntur qui ad eundem polum
constituti finiuntur. Maximi autem sunt
qui eodem centro quo spera continetur. Ori
zon appellatur is qui terminat ea que aut
non uideri possunt. Hic autem incerta rati
one definitur. quod mundo poloque subiectus.
et circulis his qui paralleloe dicuntur modo
duobus extremis et aequalibus iunctus. modo
aliis partibus adiectus terre prouidetur. ita
utcumque fuerit spera collocata. Polus is qui bore
us appellatur prouideri potest semper. nothus
autem ratione dissimili semper est a conspectu
remotus. Naturalis autem mundi statio phi
sice dicitur. ea est in boreo polo sinita. ut om
nia a dexteris partibus exoriri in sinistris occide
re uideantur. Exortus est autem subita que
dam species obiecta nostro conspectui. occasus
autem pari de causa ut erepta ab oculis uisa
In finitione mundi circuli sunt paralleloe
quinque in quibus tota ratio spere consistit.
preter eum qui zodiacus appellatur. qui
quod non ut ceteri circuli certa dimensione fini
tur. et inclinatior aliis uidetur. loxos a grecis
est dictus. Quinque autem quos supradiximus
sic in spera metiuntur initio sumpto a polo
qui boreus appellatur ad eum qui nothus
et antarticos uocatur in triginta partes
unum quodque hemisphaerium diuiditur. ita

ut dimensio significari uideatur. in tota
spera sexaginta partes factas. Deinde ab eo
dem principio boreo sex. Martianus dicit
in boreo circulo esse partes octo. in solsticiali
sex. in equinoctiali quatuor. partibus exutra
que finitione sumptis circulus ducitur. cuius
centron ipse polus finitus circulus articos
appellatur. Quod intra eum arctarum
simulachra ut inclusa perspiciuntur. que
signa a uris ursarum specie facta septem
trionales appellantur. Ab hoc circulo de
reliquis partibus quinque sumptis. eodem
centro quo supradiximus circulus ducitur.
qui thericos id est tropicos appellatur. Ideo quod
sol cum ad eum circulum peruenit. aestatem
efficit eis qui in aquilonalibus finibus sunt.
hiemem autem eis quos austri flatibus
oppositos ante diximus. Preterea quod ul
tra eum circulum sol non transit. et statim
reuertitur tropicus est appellatus. Ab
hac circuli significatione quatuor de re
liquis partibus sumptis ducitur circulus
equinoctialis a grecis hisemerinos appella
tur. ideo quod sol cum ad eum peruenit
aequinoctium conficit. Hoc circulo facto
dimidia spere pars constituta perspicitur
E contrario item simili ratione a nothio
polo sex partibus sumptis ut supra de boreo
diximus circulus ductus antarticos uocatur.
quod contrarius est ei circulo quem articon
supra definiuimus. Hac definitione spere cen
troque poloque qui nothus dicitur quinque parti
bus sumptis circulus chimerinus tropicos
instituitur. a nobis hiemalis. a nonnullis
etiam brumalis appellatur ideo quod sol
cum ad eum circulum peruenit. hiemem efficit
his qui ad aquilonem spectant. aestatem
autem is qui in austri partibus domicilia
constituerunt. Quanto autem abest lon
gius ab his qui in aquilonis habitant fini
bus. hoc hieme maiore conflictantur aesta
te autem hi quibus sol appositus prouidetur.
Itaque ethyopes sub utroque orbe necessario fiunt
Ab hoc circulo ad equinoctialem circulum
relique fiunt partes quatuor. ita ut in sol per
octo partes spere currere uideatur. Zodiacus
autem circulus sic uel optime definiri poterit

ut signis factis sicut postea dicemus exordine
circulus pducatur. Qui autem lacteus uoca-
tur contrarius aequinoctiali. ita oportet eū
medium diuidere. ut bis ad eum peruenire ui-
deatur. semel in eo loco ubi aquila constitui-
tur. iterum autem ad eius signi regionem qđ
procyon uocatur. Duodecim signorum par-
tes sic diuiduntur. Quinq; circuli de quibus
supradiximus ita finiuntur. ut unusquisq;
eorum diuidatur in partes duodecim. Et ita
eorum punctis lineę pducantur. quę tantū
spatii habet latitudo zodiaci. quantum
longitudini duodecim partes attribuunt
circulos significente factos. in quibus duode
cim signa describantur. Sed a non nullis im
peritioribus queritur. quare non equis partib;
circuli finiantur. hoc est ut de triginta par
tib; quinę partes diuidantur. & ita circuli
pari ratione ducantur. Id facillime defendi
posse confidimus. Cum enim media spera
diuisa est. eius circuli nullus potest aequalis
esse. qui quamuis proxime eum accedat. ta
men minor eē. uideatur. Itaq; qui primum
speram fecerunt. cum uellent omnium cir-
culorum aequales rationes esse pcerta parte
uoluerunt significare. ut quanto magis a
polo discederetur. hoc minorem numerum
partium sumerent in circulis metiendis.
quo necesse his erat maiorem circulum de
finire. quod etiam ex ipsa spera licet intel
ligere. Quanto magis a polo discedes hoc
maiores circulos fieri. et hac re minorem nu
merum duci ut partes eorum uideantur effec
tus. Et si non in triginta partes unūquodq;
hemispherium diuidatur. sed in alias quodlibet
finitiones. tamen eo ratio perueniet eius. ac si tri
ginta partes fecisset. Zodiacus circulus trib;
his subiectus de quib;. supradiximus ex qua
dam parte contingit aestiuum & hiemalē
circulum aequinoctialem autem medium di
uidit. Itaq; sol p zodiacum circulum currens
neq; extra eum transiens necessario cum sig
nis his quib;. in ipseius iter conficere uidetur.
peruenit ad eos quos supradiximus orbes et ita
quattuor tempora definit. Nam ab ariete
incipiens uer ostendit. et taurum et geminos
transiens idem significat. Sed iam capitibus

geminorum circulum ęstiuum tangere ui
detur. & p cancrum et leonem transiens et
uirginem aestatem efficit. Et rursus a uirgi
nis extrema parte transire ad ęquinoctialem
circulum pspicitur. In libra autem aequi
noctium conficit & autumnum significare
incipit. Ab hoc signo transiens ad scorpium
et sagittarium. deinde ꝓximus incurrit in hi-
emalem circulum & a capricorno. aquario.
piscib; hiemem transit. Itaq; ostenditur non
p ter ipsos circulos currere. sed zodiacon transi
ens ad eos peruenire. Sed quoniam de his rebus
diximus nunc t̃re positionem diffiniemus et
mare quibus locis interfusum uideatur. or
dine exponemus. Terra mundi media regione
collocata. omnib; partib; aequali discedens int̃
uallo. centron obtinet spere. ac medium diuidit
axis in dimensione totius terrę. Oceanus autē
regione circumductionis sperę pfusus. ꝓpe toci
orbis alluit fines. Itaq; et signa occidentia in
eum decidere existimantur. Sic igitur et terras
poterimus continenter explanare. Nam quecūq;
regio est. quę inter arcticum & ęstiuum finem
collocata est. ea diuiditur trifariam. Ex quib;
una pars europa. alter asia. tercia affrica uoca-
tur. Europam igitur ab affrica diuidit mare
ab extremis oceani finib; et erculis columnis.
Asiam autem et libiam cum egypto determi-
natos nili fluminis quod canopicum appellatur.
Asiam ab europa thanais diuidit bifariam secon-
ficiens in paludem quę meotis appellatur. Hac
ergo definitione facile puidetur. mare omnibus
adiectum finib; terrę. Sed ne uideatur non nul
lis mirum cum spera in sexaginta partes di
uidatur ut ante diximus. quare definimus
ab ęstiuo circulo ad arcticum finem dum taxat
habitari. sic uel optime defendimus. Sol enim
p mediam regionem sperę currens. nimium
his locis efficit feruorem. Itaq; qui situs est
ab ęstiuo circulo ad hiemalem. ea terra agre
cis diacecaumene uocatur. Quod neq; fruges ꝓpter
exustam terram nasci. neq; homines ꝓpter ni
mium ardorem durare possunt. Extremę
autem regiones sperę duorum circulorum
quorum alter boreus. alter nothius uoca-
tur. fine arctici circuli et eius qui antarcticus
uocatur non habitatur. Ideo quod sol ab his

circulis semp̄ est. longe uentiq; assiduos ha
bent flatus. Quamuis enim sol p̄ueniat ad
estiuum circulum. tamen longe ab arctico
uidebitur fine. Id ita esse hinc quoq; licet in
telligere. Cum enim sol p̄uenit ad eum circu
lum qui hiemalis uocatur. et efficiat nobis
qui p̄pe eum sumus constitutí nimium frigus
quid arbitramur eis locis frigoris esse qui lon
gius etiam absunt a nobis? Quod cum in hac
parte spere. fiat idem in altera parte definitū
putauimus. eo quod similes eius sunt effectus
Preterea hinc quoq; intelligimus illic maxi
mum frigus et in estiuo circulo calorem esse
quodq; terra habitatur. eos tamen uidemus
qui proximi sunt ad arcticum finem uti
brac … & eiusmodi uestitu. Qui autem pro
ximi sunt aestiuo circulo. eos aethiopas & per
usto corpore esse. Habitatur autem sic tem
peratissimo celo. cum inter aestiuum circu
lum & arcticum finem hec p̄ueniat tempa
tio. quod ab arctico circulo frigus ab estiuo
feruor exortus. in unum concurrens efficit
medium finem temperatum qui habitari pos
sit. itaq; cum sol ab eo loco discessit. hieme ne
cessario conflictamur q̄d ex oriente non re
uerberat sol. Quod cum ueniat in hac defini
tione illud quoq; fieri posse uidemus ut hie
mali circulo nobis ad antarticum finem
habitari quod pares eodem p̄ueniant casus
Certum quidem esse nemo contendit neq; p
uenire eo potest quisq; p̄p̄t interiectum terre
que p̄pter ardorem non habitatur. Sed cū
uidemus hanc regionem spere habitari. illā
quoq; in simili causa posse constitui suspicamur
Sed q̄m que nobis de terre positione dicenda fu
erunt. & speram totam definiuimus. nunc que in
ea signa sunt singillatim nominabimus. E quib;
igitur duas primum arcton & draconem. Deinde
arctophilaca cum corona dicimus. et eum qui
engonasin uocatur … einde liram cum olore &
cepheo & eius uxore cassiepia. filiaq; andromeda
& genero p̄seo. Dicimus etiam p̄rimus aurigam
a grecis heniochum appellatur. ophiuchum
preterea cum aquila. & sagitta. paruoq; delfi
ne. inde equum dicimus cum eo sidere quod
deltoton uocatur. His corporib;. enumeratis
ad duodecim signa p̄uenimus. Ea sunt aries

taurus. Gemini. Deinde cancer cum leone
uirgine. Preterea libra dimidia pars scorpi
onis et ipse scorpius cum sagittario & capri
corno. Aquarius autem cum piscibus reliq̄s
habet partes. His enumeratis suo ordine est
cetus cum eridano flumine. et lepore.
Deinde orion cum cane et eo signo quod p
cyon uocatur. Preterea est argo cum cen
tauro & ara. Deinde hydra cum pisce qui
nothius uocatur. Horum omnium non
inutile uidetur historias p̄ponere. que
certe aut utilitatem ad scientiam aut
iocunditatem ad delectationem afferent
lectori.

Igitur ut supra diximus initium est nobis
arctos maxima. Hanc autem esiodus ait
esse calisto nomine licaonis filiam eius qui
in archadia regnauit eamq; studio uena
tionis inductam ad dianam se applicuisse
a qua non mediocriter esse dilectam p̄pter
utriusq; consimilem naturam. Postea au
tem a ioue compressa uerita est diane
suum dicere euentum. quod diutius celare
non potuit. Nam iam utero ingrauescen
te p̄pe diem partus in flumine corpus
exercitatione defessum cum recrearet a di
ana cognita est non seruasse uirginitatem.
Qui dea p̄ magnitudine suspitionis non mi
norem tribuit penam. Erepta enim faci
e uirginali in urse speciem est conuersa.
que grece arctos appellatur. in ea figura cor
poris archada peperit. Sed ut ait amphis
comediarum scriptor. iuppiter simulatus
effigiem diane. cum uirginem uenantem
ut adiuuans p̄sequeretur. ammotam a con
spectu ceterorum compressit. Que rogata
a diana quid ei accidisset quod tam grandi
utero uideretur. illius peccato id euenisse dixit
Itaq; p̄pter eius responsum in quam figuram
supra diximus eam diana conuertit. Que cum in
silua ut fera uagaretur. a quibusdam aetho
lorum capta ad licaonem p̄ munere in archadiā
est deducta. Ibi dicitur inscia legis iouis
licbei templum se coniecisse quam confestim
filius est secutus. Itaq; cum eos archades inter
ficere conarentur. iuppiter memor peccati
ereptam calisto cum filio inter sydera col

locauit. eamque arctum filium autem arc-
tophilaca nominauit. de quo posterius dicemus.
Iam nulli etiam dixerunt cum calisto ab ioue
esse compressa. iunonem indignatam in ursam
eam conuertisse. quam diane uenanti obuiam
factam. ab ea interfectam. et postea cognitam
inter sydera collocatam. Sed alii dicunt
cum calisto iuppiter esset in siluam persecutus
iunonem suspicatam id quod euenit contendis-
se. ut eum manifesto diceret deprehendisse
Iouem autem quo facilius suum peccatum
tegeretur. in ursę speciem conuersam reliquis-
se. quam dianę uenanti ut eam interficeret
demonstrasse. Quod factum ut perspiceretur
iouem egre tulisse. effigiem ursę stellis figura-
tam constituisse. hoc signum ut complures di-
xerunt non occidit. et qui uolunt aliqua de
causa esse institutum negant thetim oceani
uxorem id recipere cum reliqua sydera eo per-
ueniant in occasum quod thetis iunonis sit
nutrix. cui calisto succubuerit ut pelex. Arie-
thus autem tegeathes historiarum scriptor
non calisto sed megisto dicit appellatam et
non licaonis neptam. Preterea cethea ipsum
engonasin nominari reliqua autem superioribus
conueniunt. Quę res in nonacri monte archadię
gesta demonstratur.

ctus minor hanc glosthenes qui naxica con-
scripsit ait: cinosuram esse unam de iouis
nutricibus ex ideis nymphis. ab eius quoque no-
mine et urbem quę histoe uocatur a nicostrato
et sodalibus eius constitutam et portum qui
ibi est. et agri maiorem partem cinosuram ap-
pellatam. Hanc autem inter churetas fuisse qui
iouis fuerunt ministri. Nonnulli etiam heli-
cen et cinosuram. nymphas esse iouis nutrices
dicunt. et hac re etiam pro beneficio in mundo
collocatas. et utrasque arctas esse appellatas. quas
nostri septemtriones dixerunt. Sed maiorem
arctum complures plaustri similem dixe-
runt. et amaxan greci appellauerunt.
Cuius hec memorię prodita est causa initio
qui sydera peruiderunt. et numerum stella-
rum in unaquaque specie corporis constitue-
runt et non arctum sed plaustrum nomina-
uerunt. Ex septem stellis duę quę pares et
ex eis maxime in uno loco uidentur pro bobus
habentur. Reliquę autem quinque figuram
plaustri simularent. itaque et quod proximum
huic est signum bootem nominare uolue-
runt de quo posterius plura dicemus. Aratus
quidem non in hac re booten nec illud plau-
strum dicit appellari. sed quod arctus uideatur
ut plaustrum circum polum qui boreus appel-
latur uersari. et bootes agitare eam dicatur
in quo non mediocriter uidetur errare. Postea
enim de septem stellis ut parmeniscus ait. que-
que et uiginti sunt a quibusdam astrologis
constitutę ut ursę species non septem stella-
rum numero perficeretur. Itaque et ille qui
ante plaustrum sequens bootes appellatur
arctofilax est dictus. et hisdem temporibus quibus
homerus fuit. hec arctus est appellata. De sep-
temtrionibus. ille enim dicit. hanc utroque
nomine et arctum et plaustrum appellari.
Bootem autem nusquam meminit arctofi-
laca appellari. incidit etiam compluribus er-
ratio. quibus de causis minor arctus phenice
appelletur. et illi qui hanc obseruant uerius
et diligentius nauigare dicantur. Quare si
hec sit certior quam maior non omnes
hanc obseruent. Qui non intelligere uiden-
tur de qua historia sit perfecta ratio ut
phenice appellaretur. Tales enim qui dili-

genter de his reb; exquisiuit et hanc prim(us)
arctum appellauit natione fuit phenix.
ut herodotus milesius dicit. Igitur om(ne)s qui
peloponensium incolunt. priore utuntur
arcto. phenices que a suo inuentore accepe-
runt obseruant: et hanc studiosius p(er)spici-
endo diligentius nauigare existimantur
et uere eam ab inuentoris genere phenicem
appellant.

[S]ic uasto corpore ostenditur inter duos
arctos collocatus. qui dicitur aurea mala
hesperidum custodisse. et ab hercule interfectus.
ab iunone inter sydera collocatus. quod illius
opera ut hercules audiuit ad eum est p(ro)fectus. qui
ortum iunonis custodiri solitus existimatur.
Ait enim phoerechides iunonem cum duceret
iupiter uxorem. terram uenisse ferentem au-
rea mala cum ramis. Que iunonem admira-
tam petisse a terra ut in suis ortis sereret qui
erant usq; ad athalantem montem. Cui filie
cum sepe de arboribus. mala decerperent. iu-
no dicitur hunc ibi custodem posuisse. hoc
etiam signi erit quod in syderib;. supra eum
draconem. demonstrat herculis simulachru(m)
ostenditur ut erathostenes. Quare cui uis licet
intelligere hunc maxime draconem dici.
Honnulli etiam dixerunt hunc draconem
a gygantib; minerue obiectum esse cum eos
oppugnaret. Minervam autem arreptam
draconem contortum ad sydera iecisse. et ad

ipsum axem celi fixisse. Itaq; adhuc eum im-
plicato corpore uideri. ut nup(er) ad sydera pla-
tum.

[A]rctophylax. de hoc fertur ut sit archas
nomine calistis. et iouis filius. quem dici-
tur licaon cum iuppiter ad eum in hospitiu(m)
uenisset. cum alia carne concisum p(ro) epulis
apposuisse. Studebat enim scire si d(eu)s esset qui
suum hospitium desid(er)aret. quo facto n(on) minore pe-
na affectus est. Nam statim iuppiter mensa
p(ro)iecta domum eius fulmine incendit. ipsu(m)
autem in lupi figuram conuertit. Et pueri
membra collecta et composita in unum. de-
dit cuidam aetholorum alendum. Qui ad-
olescens factus. in siluis cum uenaretur insci-
us uidit matrem in urse speciem conu(er)sam.
Quam interficere cogitans p(er)secutus est in
iouis licei templum. Quo et qui accessisset
mors pena erat archadum lege. Itaq; cum
utrumq; necesse esset interfici. iupiter eoru(m)
misertus. ereptos inter sydera collocauit.
Ut antediximus. Hoc autem facto sequens
ursam p(ro)spicitur. et arctum seruans arctophi-
lax est appellatus. Honnulli hunc ycariu(m)
erigonis patrem dixerunt. Qui p(ro)pter iusti-
ciam et pietatem existimatur. Liber pater
uinum et uitem et uuam tradidisse. ut
ostenderet hominib;. quomodo sereretur
et quid ex eo nasceretur. et esset notu(m) quo-
modo id uti oporteret. Qui cum seuisset

sepissime requires: si inueneris
platos ciuitatis tibi date. esse
intra partes quindecim. et mi-
nutas quindecim. que compu-
tatio ad horoscopum solum et
medium celum ptinet. de pri-
in primo cly- mo clymate.
mate requires id ē meroe
horoscopum. si platos ciuitatis
excesserit partes quindecim.
et minutas quindecim. usq;
in partes uiginti quatuor. mi-
nutas quinquaginta unam.
de secundo clymate.
in sc̄do clymate requires. id ē
syene. si excesserit ciuitatis
platos partes uiginti quatuor.
et minutas quinquaginta unā.
usq; in partes triginta et mi-
nutas uiginti duas. De tc̄io cly-
in tertio clymate re- mate.
quires id ē in egypto ΔΙΑΤΗϹ
ΚΑΘΟΚΟΡΑϹ. si excesserit ciuita-
tis platos partes triginta. et
minutas uiginti duas. usq; in

partes. xxxvi. De quarto clymate.
In quarto clymate requires. id ē rodos. si
loci platos excesserit partes. xxxvi. usq;
in partes. xl. & minutas. lvi. De quinto
In quinto clymate requires. [ ] clymate
id ē hellesponto si platos ciuitatis excesse
rit partes. xl. & minutas. lvi. usq; in par-
tes. xlv. & minutam unā. De sexto clyma
In sexto clymate requires. id est [ ] te
meso ponto si platos regionis excesserit
partes. xlv. & minutam unā. usq; in par-
tes xlviii. & minutas xxxii. De septimo
In septimo clymate requires [ ] clymate.
horoscopi computationem id ē borysthene
si ciuitatis platos excesserit partes. xlviii.
& minutas. xxxii. usq; ad id quod excesse
rit in septimo clymate. Mesos ciuitatum
& hyperoche earum computatio. ii.

rbis rome mesos habet partes. xxx
vi. minutas. xx. Alexandrie aegyp
ti mesos habet partes. lx. minutas. xxx.
Inter sunt partes. xxiiii. minute. x. hunc
hyperocam diuides in quintā decimā quo
tiens potueris. & primum feceris semel &
dimidium quod ē una hora semis. Quin
decim enim partes horam unam iseme
rinam faciunt. & septem semis partes ho
re dimidiam faciunt. Superest pars una.
& minute. xl. Et quia pars una minuta
rum ē lx. simul effecte sunt minute. c.
& ex his minute. xc. hore portio ē decima.
Quindecim enim partes solute in sexage
sima. dcccc. minutas habent. Ita minute
xc. hore portio ē decima. Est itaq; hype
roca urbis rome hora una semis & hore
portio decima. Iuxta igitur hoc exemplū
hyperocas locorum preparabis. & si minor
fuerit una queq; ciuitas. hoc ē occidentalis.
ortomecei ab alexandria egypti. adicies
ipsam hyperocam horis isemerinis. que
tibi ṗposite fuerint. Quod si maior fuerit
unaqueq; ciuitas hoc ē orientalis. ortome
cei ab alexandria aegypti detrahis ipsam
hiperocam horis isemerinis ut equari cly-
ma regionis ad alexandriam egypti possit.
iii. Preparatio gnomonis id est quinq;
capit[ ] [ ] m;

hemelios siue gnomon constat ex
quinq; capitib; id est ex annis ma
iorib; annis minorib;. mense. die. & hora.
Sed horas interim non ascribes gnomoni
nisi prius solem computaueris siue horis
ut ad eius particulam uel primam uel
diametram datas horas ex magnitudine
computes partim diurnas suo genere
id ē a sole partim nocturnas si fuerint suo
genere. id ē a diametro solis. Collectusq;
numerus quociens effecerit. xv. tot horas
statues. Ac sic non quot acceperis horas. sed
quot inueneris gnomoni ascribes cui
mox adicies hyperocam siue duces. Tunc
demum disposito gnomone annis maiorib;
annis plerumq; minorib;. mense. diebus
horis. computabis rursum solem. & lunā.
anabibazontem. Saturnium. Iouem. Mar-
tem. Venerem. Et mercuriū. Ceterum
horoscopum & medium celum ad horā
datam computabis. iiii.

De annalibus id est annis maioribus
cosapenthecetherida sic colliges. Que ex eo
nomen habent quod xxv. annorum sit
semṗ accessio. Computabis augusti annos
in annum qui tibi ṗpositus erit. His adicies
annos cleopatre id ē. annos ccxciiii. eosdemq;
inferes in ycosapenthecetherida. Et si maior
fuerit numerus annorum computatorum
id ē illatorum de ycosapenthecetheride nu-
merum sumes ipsosq; annos in capite gno
monis ascribes. v. De annis minoribus.

ehinc sequenti loco. echeapla. id est
annos minores gnomoni ascribes.
Hii sunt minores anni qui complent anno
rum illorum summam ab augusto & cleo
patra computatorum. Sed si in ycosapen
tecetheride eundem annorum numerū
quem intuleris inuenies. echeapla. hoc
est minores annos non requires. Sed si
chot ingredieris. annū addendum scias.

.vi. De mense.

lexandrinum mensem sic inuenies.
Annis ab augusto tantum computatis.
id est sine annis cleopatre detrahes semṗ
v. numeros. & reliqui numeri quartū
partieris. Hii erunt bissexti. Quib; bis-

sextis adtexes dies alexandrinos abinitio mensis de quo agitur. iuxta alexandrinorum rationem in diem illum quem queris computatos. & ab eo signo cui mensis est numerum p tricenos dimittes. & in quod signū numeri exciderit distributio: eius signi erit mensis alexandrinus. & tot dies alexandrini. Ac sic tertio loco asscribes gnomoni alexandrini mensis nomen. & quarto loco dies tot. Sed si distributio illa a thot ceperit uel in thot exciderit: annum addendum scias. Poterit autē in thot iam excidere distributio cum phami clausa fuerit. uel etiam phami pche. si annus habuerit bissextum. Si igitur a thot cepit distributio. uel in thot exciderit: annum addendum scias. Sed si leonis eius signi mensis id est mesore nominatus fuerit prius partes. v. relinquas id est epagomenas. v. In quas distributio illa non addit annum quia nondum a thot accesserit. Si uero epagomeni dies bissextis adicientur: de numero deduces epagomenas. v. & sic thot. xxx. & p ordinem tricenos signis dabis. vii. De hora.

Horam si iuxta alexandrinos primam diei computabis que apud romanos septima ē. Ac sic ab ipsius initio usq; ad sextam diei alias. horas isemerinas. xxiiii. computabis. sine discretione noctis & diei. nisi cum horoscopum computabis ad horam datam. Et si hora quinta diei uel tertia. uel queq; est usq; sextam proposita tibi fuerit pridianum diem constitues. id est uno die deducto de diebus alexandrinis antequam partes eorundē dierum computes. Ac sic gnomone disposito. annis maiorib; annis pleruq; minorib; mense dieb; horis cum hyperoca uel sine hyperoca. Sed si addetur hyperoca et in horam septimam exciderit: diem addendum scias priusquam partes eorundē dierum computes. Et mox ipsi gnomoni rursum heliacos numeros cum minutis suis adiacentes colligis. notabisq; mox solem ex ipso uelut ex principe. computaturus. viii. Horoscopi computatio.

Sequitur electo sole computas horoscopum. Nam computato sole cum parte tropica aspicies signum in quo deieceris solem ad clyma. in quo quis natus est ad partem solis cum trope que magnitudo horarum sit id est in oroncronis & totiens duces horam datam. ut puta. Si quis hora quinta sit natus interdiu requires si uel horenus habeat. xv. partes magnitudo solaris. hec quindecies quinos: computabis. Et collecto numero tam ex partib; quam ex minutis in partes consolidatis adiunges anaforas partes solaris eiusdem signi cuius & magnitudine usus es. Et si excesserint ccclx. deduces ciclum. Reliquumq; numerum quem tenebis circa idem clyma. in quibuscumq; anaforis cuiuslibet signi requires. Quia id erit horoscopi partes ex prima selide cuilibet pagine ubi sunt eleuinere contra anaforas reptas. Quod si nocturnum fuerit thema. magnitudinem solarem & anaforas in diametro solis requires eadem ratione computationis cui addes tropen. ix. Medii celi inuentio.

Computata magnitudine partis solis siue in signo in quo. ē. siue eius diametro. & adiunctis anaforis cum minutis suis quo scilicet numero horoscopū constituisti: eundem numerum inferes in orthesferam. Et in quocumq; signo in quibuscumq; anaforis eundem numerum reppereris. respicies eius signi quota pars medium celum declaret prima selida in orthesfera cuiuslibet pagine. Horoscopo & medio celo tropen semp adtexes. xi. Anabibazontis computatio.

Similiter ordinem gnomonis per ycosapenteetherida requiris ad bonipetas. Et quot partes inueneris cum minutis ex omni gnomone de bonipatos electas colligis in unum. Et notabis eundemq; omnem numerum bonipetatos de omni cyclo. id est de ccclx. partib; deduces quod de quinq; capitulis collegisti. & quod superit demittis a capricorno recta uia id est p aquarium sollempni

distributione. et ubi numerus exciderit
anabibazon dices ee tot partibus cum tro-
pen addiders. Pleriq; hoc id ē bozupe-
ras a sagittario demittunt. retrorsum. id
est p scorpionem singulis signis tricenas
partes distribuentes. et in quo signo nu-
merus exciderit: tot numero partes de
xxx. partibus tollunt. Et quod reman-
serit: tot ee anabibazontem partib;
scribunt. cum tropen adiciunt. Sed nu-
merus bozupatos integer etiam ad lu-
nę cursum p̄ficit. ut scias quantum
loxos in luna patiatur. Igitur suppu-
tata luna ipsum numerum quem
ab ariete distribuisti cum bozupatos
coniunctum sine trope inferes in cano-
nem ubi ē platos lunę & quot partes illic
inueneris. tanto numero luna dista-
bit a circulo. Preterea ipse partes bo-
rnuperatos coniunctę cum his partib;
quę ab ariete demissę partem indicant
lunę: indicio tibi erunt quo opere et
uento luna moueatur. Nam usq; ad
partem xc. significant lunam aqui-
lonem descendere quod est ipsomata
pinuntos. Item usq; ad partem. clxxx:
austrum descendere quod est tapina-
matapinuntos. Tercio usq; ad. cc.lxx:
austro ascendere. quod est tapinomaip-
sistos. Quarto usq; ad. ccclx: aquilonē
ascendere. quod est ipsomaipsistos. Ana-
bibazontis particula inuenta: ab eius par-
te usq; in partem xc. recta uia ut stellę
incedunt luna repta: aquilonem as-
cendit augens numeros longitudinis et
latitudinis. Item anabibazontis a parte. xci.
usq; in partem. clxxx. luna repta: aquilo-
nem descendit. augens numeros longitu-
dinis & minuens numeros latitudinis.
Item anabibazontis a partib; clxxxi.
usq; in partes. cc.lxx. luna repta: austrum
descendit. augens numeros latitudinis
Item anabibazontis a parte. cc.lxxi. usq;
in partes. ccclx. luna repta: austrum as-
cendit minuens numeros longitudinis
et latitudinis. xii.

Computatio solis.

ollectis partib; illis gnomonicis ci-
clum deduces si tamen excesserit
partes. ccclx. Residuum numerū
inferes in anomaliam solis id est ubi solis
artemichieni. Et inuento numero par-
tes et minutas quas ante inueneris nota-
bis. Et si numerus ille qui illatus ē in
anomalia intra. clxxx fuerit: deduces
illi partes quas ante se inueneris. Si exces-
serit. clxxx: adicies. p̄pter qd̄ p̄ postea
ferens scripta ē. & semp adicies ipsi nume-
ro purgato geminorum partes quinq;
& minutas. xxx. & demittes ab ipsis ge-
minis p singula signa tricenas partes.
Et in quo signo numerus exciderit. ibi erit
sol ad diem quem quęris. siue horam
quam requiris tot partib; cum addis tro-
pen. communem omnium astrorum &
horoscopi & medii cęli. xiii.

Solis loxosis.

omputabis a cancri parte prima
usq; ad partē solis sine trope. quot
partes medię sint. & has inferes in canonē
loxoseos. Et quem numerum illic inue-
nies partium uel minutarū tot dices so-
lem recessisse a ciclo. ΘΟϹ. ΥϹΗΜΕΡΥΝΟϹ
ΚΥΚΛΩϹ. Et si eundem numerum non
inueneris qm̄ solet uno minus aut duob;
eē: hyperocam quamcumq; inueneris:
in tertiam diuides. Et qd̄ inuentum fu-
erit. hoc singulis partib; addes aut de-
trahes. qm̄ & ipsi numeri p ternariū nume-
rum aut crescunt aut minuuntur. xiiii.

Quo uento sol feratur.

uo uento sol feratur sic inuenies.
Computas a cancri partib;. hoc ē ab initio
cancri usq; ad solis partem sine trope. Si
intra. xc. partes fuerit: aquilonem descen-
dit. Si intra clxxx. fuerit: austrum des-
cendit. Si intra. cclxx. austrum ascendit.
Si intra. ccclx: aquilonem ascendit.

xv. Preceptum canonis lune. Computatio lune

Per ordinem gnomonis id est annos maiores et annos minores. mensem diem et horam ad apogion lune respicies. et quascumque partes et minutas inueneris describes. Similiter et epicicium computabis. et centronautes eodem ordine gnomonis obseruato. Ac sic easdem summas separatim notabis. Post hec: epiciclinum numerum deducto prius ciclo si excesserit amputato; Inferes in trisedidem lune. Inuentas partes et minutas eicies. Et si epicicli numerus intra. clxxx. partes fuerit id quod in trisede lune inueneris. centronautes addes. Si super fuerit: detrahes centronautes. et hactenus erit centronautes. diiudicatum atque purgatum. Item epiciclum inferes in quartam selidem et describis minutas repertas si fuerint. Ac sic centronautes illud purgatum ciclo si excesserit amputato semper inferes in .v.ta et sextam selidas. horum singula tum notabis. De hinc ex quarte selidis minutas sexte selidis numeros multiplicabis. et fient minute minutarum. Que rursum redacte in lx.ma fient minutarum partes et minute minutarum. Has adiunctas semp.v.te selidis numeris presto habebis. Ut puta quarte selidis exsacoste sunt minute. xv. Inserta selide sunt minute. c. hec quindecies multiplicate: fient minute minutarum .i.d. que redacte. in lx.as fient minute. xxv. hec .v.te selidis numeris adiecte: presto erunt. Ut si numerus centronautes intra clxxx. fuerit summam illam iuncturam selidarum epiciclo detrahas. Contra si excesserit addicias. Post hec apogion epiciclo detrahes. Sed si in epiciclo tanta summa non erit ut apogio deduci possit: addicies epiciclo ciclum et sic anoryon deduces. De hinc reliquum numerum epicicli ab ariete dimittes per tricenas partes. et in quo signo numerus exciderit: illic luna erit tot partibus. cui tropen adicies.

xvi. Compotum lune

Ipsum numerum quem ab ariete distribuisti cum bozuperatos coniunctum sine trope. inferes in canonem ubi est platos lune. et quot partes illic inueneris tanto numero luna distabit a ciclo. Preterea ipse partes bozuperatos coniuncte cum his partibus que ab ariete dimisse partem indicant lune: indicio tibi erunt quo opere et uento luna moueatur. Nam usque partem .xc: significant lunam aquilonem descendere quod est. s. t. Post hec memento sede purgationis ex sacostacenem illam multiplicatam iungere cum mesuplatos purgato ut scias quantum stella distet a circulo quolibet. xvii.

Panselenos et eclypsis lune.

Panselenon id est plenilunium in diametro solis requires. Eclypsim quoque lune per panselenon eius requiris. aut in abibazonte. aut in catabibazonte. aut in proximis partibus ecliptieis. Panselenon sic inuenies. Constitues gnomonem sine hora tantum et non computabis interim solem sed lune epicielum solum computabis. Qui si uerbi causa. ccclx. partes non compleuerit. sed inueniantur. cccl. partes: ut compleatur epiciclus desunt partes x. Mox ingredieris canonem oronapomesembrias et queris in epiciclo lune ubi sunt partes. x. et inuenies contra eas in prima selide numeros x. qui indicant horas x. Post horas ergo x. apomesembrias complebitur numerus epicicly id est partes. ccclx. Ascribes itaque ad gnomonem apomesembrias. et tum demum computabis iuxta legem gnomonis solem et lunam cum ypogio et epiciclo et centronautes selenes. Et si eiecta fuerint his omnibus sol et luna in diametro suo: bene constabit hora. Sin uero sol uerbi causa fuerit in geminis partibus. x: luna in sagittario partibus. viii: hipetoca inter illos erit duarum partium; has duas partes solues in lx: fiunt minute cxx. harum xii.ma fiunt minute. x. Simul fiunt par-

tes due. minute .x. has lune addes partib;
viii. & fiunt lune partes .x. & minute .x.
Item duodecimam illam id est minutas
.x. addes soli & fiunt solis partes .x. &
minute .x. Et hactenus facti sunt hiso-
miri sol & luna ad scribian. Ascribatur
quod luna habuerit in sagitario par-
tes .xv. Verbi causa & sol in geminis partes
.xii. Sumes hiperocam partium trium.
& partes earum .xii. duodecimam quod
facit minutas .xv. Et deduces lune par-
tes .iii. & minutas .xv. & habebit luna re-
siduas partes .xi. minutas .xlv. Item de
partibus solis .xii. deducis illam .xii. id
est minutas .xv. & erit sol partib; .xii. mi-
nutis .xlv. Et hactenus facti erunt hiso-
miri sol & luna. Quod si epiciclus inuen-
tus fuerit habere partes .ccclxx. supha-
bebit .x. Queres similiter in horoneronis
apomesembrias. in epiciclo lune partes
.x. quot horas faciant & inuenies contra
eas in prima selide horas .x. engista. Et
has deducis de .ccclxx. partib; & inue-
nietur epiciclus in partib; .ccclx. deduc-
tis de die horis .x. id est apomesembrias.
horis decem. & fiunt gnomoni apomesem-
brias hore .xiiii. Sed de dieb; egyptiis
deducis diem & sic iuxta morem computa-
bis. & solem & lunam sicut supra scriptum
e. & cum hiperoca & .xii.ª Si hysomiri non
fuerint: inuento lune acribie plenilu-
nio queres hipocam solis & lune si fuerit
cum .xii. sua quos numeros efficiant. &
hui? tocius numeri tricesimã particris
& collectum numerum adicies centro-
nautes selenes si luna ante hisomeriã
minorib; partib; fuerit quam sol. Quod
si ante hisomeriam luna plurib; parti-
bus fuerit quam sol: detrahes ipsos
numeros centronautes selenes. Et hac-
tenus habebis purgatum plenilunium.
.xviii. Quota sit hora in unoquoque climate.

ΟΚΕΟΝΑΡΟΧΟΤΘΗC (toriecon) selenes sic in-
uenies. Inferes numerum centro-
nautes selenes diuidicatum & purgatũ
in pcanonion exacosta. hoc e inicia
selide. Inuentarum minutarum deci-
mam sumes. & adicies eandem decimã minu-
tis legitimis .xxx. que semp sunt oreon
dromontes selenes. Vt puta centronau-
tes purgatum habet partes .cl. has in-
feres in procanonion. Conuenies inter-
cia selide adiacentes minutas .xl. harũ
sumas decimã id est quinque sem[...]
ta. has addes ΘΩ. ΕΛΑΚΥCΤΟ. id est legi-
timis minutis .xxx. que semp sunt hore
oreondromontes selenes & fient simul mi-
nute .xxxv. que nunc erunt oreondro-
montes selenes. Hunc illa hiperoca hiso-
mirie solis & lune. si qua fuerit cũ .xii. sua
multiplicatam addes. quociens de ea de-
duci possit. ΗΟΡΕΟΝΑΡΟΧΗΡΑ. quia semel
deducta una hora erit. Si bis uel ter tot
hore erunt uel partes hore. Et si hiperoca
addetur lune addas ipsas horas horis gno-
monicis. Et si detrahitur hipoca lune de-
trahes tot horas horis gnomonicis. Quod
si hiperoca nulla fuerit ΤΟΡΕΟΝΑΡΟΧΗΡΑ
non requiris. & sic recte statuens gnomo-
nem recte pnuntiabis quota hora pan-
selenos fieri possit in alexandria. Hec om-
nis computatio iuxta alexandriam egyp-
ti e. ut scias in unoquoque clymate quota
hora sit. .xix.

De plenilunio uel eclypsi lune.

Plenilunium uel eclypsim lune sic
inuenies. Distanciam id e hiperocã
ciuitatis tibi ppositę requiris. quot hora-
rum sit. & si ciuitas pposita occidentalis
fuerit ab alexandria egypti: deducis ipsã
hyperocam ΘΩ. ΧΗCΩΧ ΚΡΟΝΟΝ. id est
gnomonicis horis iuxta quã panselenon
& solem computaueras. Quod si orienta-
lis fuerit ciuitas pposita: ab alexandria
egypti adicies ipsam hyperocam ΘΩ.
ΧΗCΟΝ ΚΡΟΝΟΝ. id est gnomonis horis
iuxta quę panselenon. & solem computa-
ueras. Vt puta ΘΩ. ΧΗCΟΝ ΚΡΟΝΩΧ. id est
gnomon ΑΠΟΧΗ CΗΜΒΡΥΑC. habet horas
.xiiii. Iuxta quas in egypti alexandria solẽ
& lunam equis partib; comparasti. Necessa-
rio g discutiendum tibi erit ΧΗCΟC urbis
rome si eius hora requiritur. Vrbis autẽ
rome ΧΗCΟC habet partes .xxxvi. minu-

tas .xx. Alexandrie egypti ... h...
partes .lx. minutas .xxx. Inter ... par
tes .xxiiii. minute .x. h... hiperocam
... ... potueris. & pri
diuides in .xv. ... & dimidium quod est una
mo feceris se... ... Quindecim enim partes horam
hora ... ... isemerinam faciunt & .vii. semis.
partes hore faciunt dimidium. Superest
pars una. & minute .xl. & quia pars una
minutas habet .lx. simul effecte sunt mi-
nute .c. Ex his minute .xc. hore portio est
decima. Quindecim enim partes solute
in sexagenas .dcccc. minutas habent. Ita minu-
te .xc. hore portio est decima. Est itaque
hyperoca urbis rome hora una & semis.
& hore portio decima. Hanc hiperocam
urbis rome id est horam unam & semis.
& hore portionem decimam deducis horis
xiiii. supra scriptis & fiunt gnomonis
hore apo tes mesembrias. hore .xii. trien.
ac sic pronuntiabis rome panselenon siue
eclypsim lune posse fieri. apo tes mesembriac
non hora .viii. noctis sicut in alexandria
egypti. sed hora noctis .vi. trien. Hunc
de orientalibus ponamus exemplum. Apa-
mie mesos habet partes .lxx. alexandrie
egipti ... habet partes .lx. minutas
xxx. Inter sunt partes .x. minute .xxx.
Huius hyperoce ex ratione .xv. est hore di-
midium. Septem enim semis partes hore
dimidium faciunt. Super sunt partes due
que sunt hore portio .vii. engista. Est ita-
que apamie hyperoca id est hore dimidium
& hore portio .vii. Hanc hyperocam urbis
apamie id est hore dimidium & hore
portionem .vii. adicies horis xiiii. supra
scriptis & fient gnomonis hore apo tes mese-
brias .xiiii. semis. & hore portio .vii. Et sic
pronuntiabis in apamia par... siue
eclypsim lune fieri posse apo tes mesembriac
non hora octaua noctis sicut in alexan-
dria egypti. Sed hora noctis .viii. semis. &
hore portione .vii. xx.

Lune eclypsis.

Eclypsim lune per par... eius
requiris. aut in abibazonte aut in cata-
bibazonte aut in proximis partibus eclypticis.

Inuenta igitur siue facta hysomeria lune
& solis. numeros iuxta gnomonem. &
horam gnomonicam electos. boriu pe-
ratos collectos describes separatim. De-
hinc computa ab initio arietis usque ad
partem lune quot partes inter sunt. & has
coniunges cum boriupetatos. Iunctumque
numerum inferes in platos lune id est in
paginam loxos ... & si inuenietur
subiacens numerus latitudinis lune.
siue in borea siue in notho infra partem
unam. & minutas .iiii. poterit fieri eclyp-
sis lune. Si in autem excesserit quantulum-
que partem unam & minutas .iiii. num-
quam fiet eclypsis lune. Ut puta in can-
cro habet luna partes .xv. boriupatos
clxxi. Item ab arietis initio usque ad par-
tem lune partes .c. v. fiunt simul par-
tes .cclxxvi. Has inferes in platos lune
id est in paginam loxos ... & inuenti-
es numero ipsi adiacente minutas .xxxii.
... Hunc quia inuenisti infra
partem unam & minutas .iiii. platos esse
dices fieri posse eclypsim lune. Et merito
inuenies ad diiudicationem. Post hec
has ipsas uerbi causa inuentas minutas
xxxii. inferes in egyptiacis canonibus .ii.
id est megistu apostematos & elacistu
apostematos. & inuentos numeros sigil-
latim describis id est de dactilis & de emp-
tosi & mone si habuerit. Sic & de elacistu
apostematos contra minutas .xxxii. sue
selide sigillatim notabis. de dactilis & de
emptosi & mone si habuerit. Et horum
utrorumque canonum id est megistu
apostematos & elacistu apostematos. hyperocam sumes uel ex dactilis
uel ex emptosi uel ex mone si habuerit.
Dehinc numerum illum cenitonaute
selenes ... inferes in pcanonion
loxos ... Et quantas minutas inue-
neris. in tertia selide de exacosta describis.
Dehinc uidebis hyperocas illas sigillatim
descriptas id est dactilorum & emptose-
os & mones quante sint. Quia singulas
ipsas hyperocas multiplicabis ex minu-
tis inuentis in pcanonio. exacosta que

Margin: [quinas

sunt minute minutatim et sigillatim descri
bes. Ex hac diligenti purgatione adicies sem
per inventis numeris id est megistu aposte
matos. hoc est hiperocam multiplicatam
dactilorum dactilis. Et emptoseos hipero-
cam multiplicatam emptosim. Et mones
hyperocam multiplicatam tw. ΜΟΝΗΣ. Et
quantoscumque inveneris dactilos purga-
tos tot digitis dicis lunam deficere cum
dactilus hoc est digitus unus unciam unam
tenet. Et si duodecim dactilos deficiet
luna: plena luna deficere dicetur. Quod
si excesserit dactilos duodecim. tunc erit
mone. aliter non erit. Hunc hos ipsos dac-
tilos purgatos ex duobus canonibus id est de
megistu et elacistu inferes in canomon
megistu. hoc est in magnitudinem solis
et lune. Et dactilis illatis adiacentes dac-
tilos lune respicias quot sint quia tot
dactilis manifestissime luna deficiet.
Quod inveneris in canomon megiste diu
ceselenes. ad duodecima subiacere. Post
hec numeris emptoseos .xii. suam adicies.
Emptosis est cum primum incidit luna in eclyp
sim. Et sciendum est quando primum inci-
dat; Similiter et mones .xii. suam adi
cies. Mone est cum tota luna obscuratur.
et sciendum est quando tota incidat.
Dehinc videbis item numerum emptose
os et mones quot horas habent vel magis
quotam partem hore faciunt ΕΝ ΘΟ ΤΟ
ΡΕΟΝ ΔΡΟΜΟΝ ΘΗΣ ΣΗΛΗΝΗΣ iuxta parti
cionem quam superdocuimus id est ut de
numeris ΕΜΠΤΩΣΕΟΣ et ΜΟΝΗΣ. quoci
ens possis deducas ΤΟΡΕΟΝΔΡΟΜΕΝΑ. Qua
semel deductum una hora erit. si bis vel
tercio. tot hore erunt vel partes hore. Et
coniunges simul emptosim et mones.
facient horas ΒΙΣΕΜΕΡΙΝΑΣ. ΕΝ ΘΩ
ΤΟΡΕΟΝ ΔΡΩΜΟΝ ΘΗΣ ΣΕΛΗΝΗΣ. quas ho
ras quasi deducis de horis gnomomeis id
est ΘΩΣ ΜΕΣΟΝΚΡΟΝΟΝ. Mesoncronos
enim dicitur hora illa vel momentum
hore quo hysomiri sol et luna facti sunt.
et si ubi causa de .vi. hora noctis quan
do equinoctium est deduxeris emtoseos
et mones horas duas: incipiet hora

noctis quarta. eclypsis fieri id est p ΔΟΟ
ΒΟΡΩΝ ΒΙΣΕΜΕΡΙΝΩΝ ΘΟΣ ΜΕΣΟΝΚΡΟΝΟΣ.
Item ipsas emtoseos et mones horas siquas
addis .vi. horis. ΘΟΣ ΜΕΣΟΝΚΡΟΝΟΝ. erit
purgatio eclypsis lune in hora noctis .viii.
hoc est in ΜΕΝΘΑ ΔΟΟ ΤΟΡΑΣ ΒΙΣΕΜΕΡΙ-
ΝΑΣ. ΘΟΣ. ΜΕΣΟΝ ΚΡΟΝΟΣ. Ut autem cog-
noscas quota hora incipiat. ΜΟΝΗΣ ΚΡΟΝΟΣ.
ubi causa mones emisia inventa est. id est
minute .xvi. que faciunt ΑΠΟ ΣΕΛΗΝΗΣ
ΤΟΡΕΟΝ ΔΡΟΜΕΝΑ ΕΜΙΣΥ ΤΟΡΑ. id est dimi
dium hore vel quantumcumque fuerit: qua
si deducis de mesocrono illo gnomonico
et faciet initium mones. id est cum obscu
rabitur tota luna; ΚΑΙ ΜΕΝ ΗΣΟ quod est
initium mones: hanc ipsam horam vel par
tem hore si addicias ΜΕΣΟΝ ΚΡΟΝΟ. illi gno
monico tunc faciet luna initium purgati
onis. Tamen dum inveneris ΜΟΝΗΣ et par
tiris in peanomon. et multiplicasti in .xii.
similiter et ΕΜΠΤΩΣΕΩΣ: partiris in tore
on dromena. Et scies quot horas emes de
emptoseos. et de mones. Junges simul. Et
sic deducis de horis gnomonicis id est quo
ta hora apocrisin fecit. Invenietur si ecly
psis lune quando apocrisis circa anabiba
zontem aut catabibazontem invenietur
Ergo faciamus primum sicut iam ante
diximus ab ariete initium usque ad partem
lune et boriperatos numerum quantum
lune latitudo recessit de medio circuli. secundum
integrum panselenum tempus aut ad septentri
onem aut ad austrum. Et si amplius quam
.lxiii. minutas invenitur recessisse: non erit
eclypsis. Si vero infra supra scriptum numerum
invenitur: poterit fieri eclypsis. Inferimus
quod inventum fuerit destitisse de medio cir
culi: secundum primas paginas egyptiorum eius
duos canones. tw. ΜΕΓΙΣΤΟΥ. ΑΠΟΣΤΕΜΑΤΟΣ
et ΕΛΑΚΙΣΤΟΥ. Et si contigerit in primis pa
ginis utroque canone quod adiacet utroque
in secunda pagina digitorum. et tercia. emptoseos
et item quarta. ΘΩΣ ΜΟΝΗΣ. hoc est mansi
onis. quando amplius .xxii. fuerint digitis
describimus et accipientes simul hiperocas
elacisti aposematos descriptos digitos et
partes contra ΜΕΓΙΣΤΟΥ. exponimus. Deinde

inferimus diiudicatum in tempore pancelinou centrum lune numerum in primis duab;
paginis canonii que ascripte sunt in tercia
pagina exacosta accipientes. Et multiplica-
mus ad singulas que supra scripte sunt hy-
perocas. Que fecerint addimus his qui ex-
posita sunt in megistu apostematos. Quando
autem latitudinis lune numerus in secundo can-
tum canonion to elakyston apostematos
inciderit que in eo apposita sunt digitos et
emptoseos multiplicamus de canonion
exacosta. Quanta fecerint exponimus. Et
quantoscumque inuenerimus de tali diortose-
os digitos tantum dicimus tenere eclypsim.
Deinde iudicatis et inuentis exacostes tos
emptoseos et mones si fuerit. addentes .xii.
partem. Et quod sic diiudicatum de duo-
parodum collecta partimur. Quod hoc inuen-
tum fuerit in pancelinou toreon aporte-
na lune. Et quantas fecerit horas de par-
ticione deducimus. diiudicatum in apocrisi
tempus habemus initium obscurationis.
Addentes autem supradictas horas habe-
mus finem purgationis. Deinde de eo quod
addimus de duodecim exacosta ton co-
ntc. partimur in toreon aporthna lune.
Que fuerit hora aut partem deducimus. Ite-
rum diiudicatum tempus pancelinou. habe-
mus initium mones. Addentes autem habemus finem mones. Ipsum uero id est inte-
grum pancelinou. habemus medium
tempus eclypsis. Accipientes supradicta
de eclypsi .v. tempora quando mones ha-
buerit. hoc est initium purgationis aut ac-
cessionis et finem emptoseos siue initium
mones et mesu tempus et mones finem
siue initium purgationis et item finem
purgationis. Quando autem mones tem-
pus non fuerit. hoc est quando non am-
plius .xii. digitis obscuratio fuerit.
tunc tria tempora sola ad eclypsim ex-
ponimus. Initium obscurationis. medium
tempus. et finem purgationis. Dum autem
non fuerit mone que in additione partis
.xii. diiudicata. Tos emptoseos exacosta
partimur in toreon aporthna lune. que
fuerit hora. aut partem deducentes de

integro tempore pancelinou. habemus
initium obscurationis. Addentes autem
habebimus finem purgationis. Ipsum
autem integrum de pancelinon. me-
dium tempus. Item eclypseos qui et ma-
ximam obscurationem habebit .xxi.

Sinodos et eclypsis solis.

Sinodon solis et lune id est coitum in
signo in quo sol fertur requiris.
Eclypsim quoque solis per sinodon eorum re-
quiris aut in anabibazonte aut in cata-
bibazonte. aut in proximis partib; eclyp-
ticis. Sinodon sic inuenies. Constitue
gnomonem sine hora tantum. et non
computabis iterum solem sed lune epi-
cyclum solum computabis. Qui si uerbi
causa .ccclx. partes non compleuerit
sed inuenietur .cccl. partes. ut comple-
atur epiciclus deerunt partes .x. mox
ingredieris in canonem toron apomesem-
brias. Et queres in epiciclo lune ubi sunt
partes .x. et inuenies contra eas in pri-
ma selide numeros .x. qui indicant ho-
ras .x. Post horas quoque decem apotelesma
bryac. complebitur numerus epicicli.
id est partes .ccclx. Ascribes itaque ad
gnomonem horas .x. apotelesmatbryac.
Et tunc demum computabis iuxta legem
gnomonis et solem et lunam cum apogio et
epiciclo et centron autes selenes. Et si eiusdem
fuerint hysomiri sol et luna in signo et in
particula solis. bene constabit hora. Si uero sol
uerbi gratia fuerit in geminis partibus .x. luna in gemi-
nis partibus .viii. hyperoca erit inter illos partium duarum.
has duas partes solues in .lx. fiunt minu-
te .cxx. Harum duodecima sunt mi-
nute .x. Simul fiunt partes .ii. et minu-
te .x. has lune addis partib; .viii. et fiunt
lune partes .x. et minute .x. Item .xii. illam
id est minutas .x. addis partibus solis
et fient solis partes .x. et minute .x. Et
hactenus facti sunt hysomiri sol et luna
adcribian. Ascribatur quod luna in ge-
minis habuerit uerbi causa partes .xv.
et sol in geminis partes .xii. Sumes hype-
rocam partium trium et partitis earum
partium .xii. que faciunt minutas .xv.

& habebit luna residuas partes .xi. & mi-
nutas .xlv. Item de partib; solis .xii. dedu-
cis illam .xii. id est minutas .xv. Et erit
sol partib; .xi. & minutas .xlv. Et hactenus
facti sunt isomiri sol & luna. Quod
si epiciclus inuentus fuerit habere par-
tes cccl.xx. sup habebit .x. Queres simili-
ter in horoncronis apomesembriae in epi-
ciclo lunę partes .x. quot horas faciunt
Et inuenies contra eas in prima selide.
horas .x. engista. Et has deduces de .ccc
lxx partib; & inuenietur epiciclus ha-
bere .ccclx. Deductis de dieb; horis .x. id
est apomesembrias horis .x. & fient gno-
monis apomesembrias horę .xiiii. Sed
de diebus egyptiis deducis diem. & sic iu-
xta morem computabis & solem & lunā
sicut supra scriptum ē. cum hiperoca
& .xii. Si bisomiri non fuerint inuenti
lunę ad eribię synodus. queres hiperocā
solis & lunę si fuerit cum .xii. sua quot
numeros efficiant. Et hui⁹ tocius numeri
q̄rtā partieris. Deinde toci⁹ numeri .xxx.ma partieris.
Et collecto numero adicies centronautesselenes.
si luna ante bisomeriam minoribus par-
tib; fuerit quam sol. Quod si ante bisome-
riam luna plurib; partibus fuerit quā
sol: detrahes ipsos numeros ΚΕΝΘΡΟΝΑΥ
ΤΗCCΕΛΗΝΗC. Et hactenus habebis cen-
tronautesselenes purgatum. Synodū
ů ΤΟΡΕΟΝΑΡΟΝΕϢΝΘΗCΕΛΗΝΗC sic in-
uenies. Inferes numerum centronau-
tesselenes diuidicatum & purgatum
de quinta regula in pcanonion inicia
selide; inuentarum minutarum deci-
mam sumes. Et adicies eandem .xᵃ. legiti-
mis minutis .xxx. quę semp sunt ΤΟΡΕΟΝ
ΑΡΟΝΕϢΝΤΗCΖΕΛΗΝΗC. Ut puta ΚΕΝΘΡΟ
ΝΑΘΤΗCΖΕΛΗΝΗC. purgatus de .vᵃ. regu-
la habet partes .cl. has inferes in pcano-
nion. & inuenies inicia selide exacostę
adiacentes minutas .lvi. harum su-
mes .xᵃ. fit bisomeris. has addes illis mi-
nutis .xxx. quę semp sunt ΤΟΡΕΟΝΑΡΟ
ΝΕϢΝΘΗCCΕΛΗΝΗC. & fiunt simul mi-
nutę .xxxv.s. quę erunt ΤΟΡΕΟΝΑΡΟ
ΝΕϢΝΤΗCCΕΛΗΝΗC. Hunc illā hypocam

ΤΥCΟΝCΥΡΥΕ solis & lunę si qua fuerit cū
.xiiᵃ. sua multiplicatam uidebis quociens
de ea deduci possit ΤΟΡΕΟΝΑΡΟΝΕΗΝΑ.
Quia semel deducta una erit. Si bis uel
ter: tot horę erunt. uel partes horę. Et
si hyperoca addetur lunę: addas ipsas
horas gnomonicas. Si detrahitur hype-
roca lunę: detrahis ipsis horis gnomo-
nicis. Quod si hiperoca nulla fuerit: ΤΟ-
ΡΕΟΑΡΟΝΕΗΝΑ. non requires. & sic recte
statues gnomonem. & sic recte pnuntia-
bis: quota hora fieri possit in alexandria.
hec omis computatio iuxta alexandriā
egypti est. Ut autem scire possis in uno
quoq; climate: quota hora fiat synodus
uel eclypsis solis sic inuenies. Distantiā
id est hyperocam ciuitatis tibi ppositę re-
quires quot horarum sit. Et si ciuitas
pposita occidentalis fuerit: ab alexan-
dria egypti deducis ipsam hiperocam
ΤϢΝΕCΟΚΡΟΝΟ. id est gnomonis horis
iuxta quas synodon & solem computaue-
ras. Quod si orientalis fuerit ciuitas pro-
posita: ab alexandria egypti adicies ipsā
hyperocam ΘϢCΝΕΗCΟΝΚΡΟΝΟΗ. id est
gnomonis horis iuxta quā synodon. &
solem computaueras. Ut puta gnomon
apomesembrias habet horas .xiiii. iux-
ta quas in egypto solem & lunā equis par-
tib; computasti. Necessario igitur discutien-
dum tibi erit mesos urbis romę. si eius
hora requiritur. Urbis romę mesos ha-
bet partes .xxxvi. minutas .xx. Alexan-
drię egypti mesos habet partes .lx. mi-
nutas .xxx. Inter sunt partes .xxiiii.
& minutę .x. hanc hyperocam diuides
in .xv. quociens potueris. Et primo fece-
ris semel & dimidium quod ē una hora
semis. Quindecim enim partes unam horā
bisemerinam faciunt. Et septem semis par-
tes horę dimidium faciunt. Supest pars
una & minutę .xl. Et quia una pars minu-
tarum est .lx: simul effectę sunt minutę
c. Ex his minutę .xc. horę portio est .xᵃ.
Quindecim enim partes solutę in .lx:
dcccc. minutas habent. Ita minutę .xc.
horę portio est decima. Est itaq; hipe-

roca urbis rome hora una semis & hore portio
decima. hanc hyperocam urbis rome. id est
horam unam semis. & hore partem x^a. dedu
cis horis xiiii. supra scriptis. Et fient gno
monis apomesembrias hore. xii. Ac
si pronuntiabis rome ee sinodon siue eclypsim
solis fieri posse apomesembrias non hora octa
ua noctis sicut in alexandria egypti sed
hora noctis. vi. quincons. Hunc de orien
talib; horis ponamus exemplum. Apamię
mesos habet partes. lxx. Alexandrię egypti
mesos partes habet. lx. & minutas. xxx.
Intersunt partes. x. minutę. xxx. hec
hyperoca ex ratione. xv. e hore dimidium.
Septem enim semis partes hore dimidiū
faciunt. Sup sunt partes duę quę sunt
hore portio. vii. Est itaq; hyperoca urbis
apamię horę dimidium & horę portio. vii.
hanc hyperocam urbis apamię. id est
horę dimidium. & horę portionem. vii.
adicies horis. xiiii. supra scriptis & fient
gnomonis ΑΠΟΜΕCΕΜΒΡΙΑC. horę. xiiii.
semis. & horę portio. vii. Ac sic pronuntia
bis in apamia synodon siue eclypsim solis
fieri posse non hora. viii. noctis sicut in ale
xandria egypti. sed hora noctis. viii. se
mis & horę portione. vii Lxxii. Saturna.

De solis eclypsi. utrū diurna. an noc
turna fuerit. Synodum aut plenilunium
tali ratione cognosces utrum nocturna
an interdiana sit sinodus atq; panselc
nes. Si distantiam cum xii^a. parte dedu
xeris de lunę partib; interdiana fit sy
nodus. Si autem distantiam cum duo
decima parte partibus lunę subiunxeris
nocturna fit sinodus. Eclypsim tamen
tunc fieri posse cognoscimus quotiens sy
nodus intra fines eclypticos fuerit dep
hensa. Quę tam̄ debet hoc m^o exquiri cū
fuerit lunę cursus exiguus xi. partibus
& xxxvi. minutis. tunc querendus est
defectus solis. Similiter & lunę requires.

xxiii. De luna quota sit.

Quota sit luna uel fuerit uel futura
sit in quolibet loco sic inuenies.
Annis ab augusto computatis adicies ix.
& de omni numero quotiens potueris
deducis. x. & ix. & id quod remanserit ui
debis. Si enim. i. remanserit addis. x.
Si. ii. remanserint addis. xx. Si. iii. re
manserint nichil addis. Si. iiii. reman
serint addis. x. Si. v. remanserint
addis. xx. Si. vi. remanserint nichil ad
dis. Si. vii. remanserint addis. x. Si
viii. remanserint addis. xx. Si. ix. re
manserint nichil addis. Si. x. remanse
rint addis. x. Si. xi. remanserint ad
dis. xx. Si. xii. remanserint nichil ad
dis. Si. xiii. remanserint addis. x. Si
xiiii. remanserint addis. xx. Si. xv. re
manserint nichil addis. Si. xvi. remanse
rint addis. x. Si. xvii. remanserint ad
dis. xx. Si. xviii. remanserint nichil ad
dis. Et inuento numero addes dies men
sis alexandrini usq; ad diem quemque
ris. De hinc a thot usq; quem queris
mensem. p binos menses addis unum
diem. Et omnib; computatis extrinsecus
addis unum diem semp. Et supputatis
omnib; iste numerus significabit quota
luna erit eo die quo queres. Ita ut si excres
serint. xxx. detrahes. xxx. Et si. x. reman
serint. x^a. lunam pronuntiabis. Verbi gra.
Si queres annos ab augusto ccclxxviii
anni sunt. viii. Kl. septembris id est
ΗΠΑΓΩΜΕΝΑC ac de ΘΘΕΚΘ quota luna
fuerit; Ccclxxviii. annis addis semper
viiii; fient. ccc xcii. Ex his deduc quoti
ens potueris. xix. remanent. xii. Cui
numero iuxta preceptum illud ter
narium nichil addis. qm par numerus
excedit. Sed addis usq; ad. viii. kl sep
tembris ΗΠΑΓΩΜΕΝΑC duas. & fiunt
simul. xiiii. his addis thot & faophy
unum. farmenoth. & farmuthi. unū.
Paschon & Pasphini unum. Epiphi &
mesore. unum. Et extrinsecus unum dié.
fient de combinatis mensib; dies sex.
& ille unus qui extrinsecus adicietur.
illis. xiiii. & fiunt simul. xxi. hoc ideo
compendiose fit quia tribus tantum
lunis ΠΑΝCΕΛΗΝΟC fieri potest. aut. xv^a.
luna. aut. xiiii^a. aut xvi^a. Sicut eclypsis
lunę. cetus quoq; tribus tantum lunis

potest fieri. aut. xxx.a luna. aut xxix.na. aut prima. Ceterum eclypsis solis cum dies quesitus in thot. exciderit: diem addendum scias. xxiiii.

De signo lune.

unam siuis integro numero inuenire: sic facias. Verbi gratia dicis esse lunam xii. Computas. xii. decies dispondius. fit. clxiiii. Addes super hec partes solis quantas habet in signo in quo erit. Hunc et ambas summas collectas in unum facies et xxx.ma partieris. Et a signo ubi sol fuerit: singulis signis partes tricenas dabis. Et in signo ubi numerus defecerit: ibi dicis lunam esse tot partibus. xxv.

De horoscopo.

oroscopum ut inuenias in quo signo sit uel quantas partes ibidem habeat: Dicis horam quam uolueris. Verbi gratia. horam decimam facies decies. decies. et V. fit. c. l; Addes et partes solis quas habet in signo. ubi fuerit. et collecta summa partitis. xxx. Et dabis singulis signis partes tricenas a signo in quo est sol per diem partes tricenas. Et ubi numerus defecerit: ibi est horoscopus tot partibus. Si uero per noctem querere uelis: a diametro requiris. xxvi.

De medio celo.

edium celum sic inuenies. A uariete usque ad horoscopum computas anaphoras. Et preter eius signum ubi horoscopus fuerit super numerum anaphorarum adicies partes horoscopi ipsius: tantummodo. Et a capricorno singulorum signorum aduersus quod occurrit deducis partes tricenas. Et ubi numerus defecerit: ibi erit medium celum cum residuis partibus.

solis: ita fiet. Accipies annos a phylippo. usque ad diocletianum qui faciunt annos. dc. vii. Et a diocletiano: usque in consulatum quartum domini iustiniani imperatoris. hoc est usque in diem. v. kl septembris. Anni sunt. cc. l. Fiunt omnes anni. dccclvii. In tykwcaperoenoerude. non inuenies nisi. dcccli. Et. vi. anni qui remanent: HONAΠΛA erunt. s. ii. cap.

De mense.

ensem uero cum acceperis: requiris ab augusto usque ad dioclетianum: qui anni sunt. ccc. viii. Et a dioclетiano usque nunc anni sunt. ccli. Fiunt omnes anni. d. l viii.

Partitis quartam. fiunt cxxxviii. Remanent anni tres. Quos omittas. Sup ergo annos. c.xxxix. addites dies mensis usq; in diem quem requiris. Et exinde tetrahis dies numero. v. epiagomenae. Et in eo quod remanserit partitis tricesimam. dans singulis mensib; dies tricenos. Et quot remanserint. ipsi erunt dies & menses egyptiaci. .iii. De hora.

oram ũ oportet te a septima diei primam uocare. .iiii. cap

In quo signo sit sol.

erto cum quinq; capitula ista ordinaueris id est ut primum tyko caper-ontheontyda faciat. sedm echeapla tertium mensem. quartum diem. & quintum horam. quicquid contra capitula ista inueneris supputas. Et cum eas collegeris. lx. partieris. & quod remanserit subter scribis. Si uero partes fuerint. contra horas scribis. Cum ũ partes supputaueris. id est p quinq; capitula. exinde eicies unum orbem id est. ccc lx. aut duos id est. dccxx. aut quot fuerint. Et quod remanserint. subter annotabis. Et requiris in canone anomalias quod inueneris & anaforas notabis. Et si minũ inueneris a clxxx. hoc quod inueneris in canone anomalias tetrahes de summa illa quam inuenisti. Sed si plus fuerit a clxxx. hoc quod inueneris in canone anomalias ut dixi addes. Et cũ addideris que extrinsecus ueniunt oportet te ad solem addere partes. lxv. & minutas. xxx. sup compotum quem iam purgasti. Et partitis. xxx. & ab ariete singulis signis tricenos numeros dabis. Et ubi numerus defecerit. ibi dicis solem ēē. cum partib; & minutis suis. .v. cap. Qualiter inuenias in quo signo luna sit

ccipies quinq; capitula sicut in sole. & illas horas que sunt purgate. id est quas canon habet. & scribis contra eas numeros suos. id est primum colligis compotum de omib; .iiii. Et annotabis p omis singillatim. Et si plus fuerit. a. ccclx. detrahes eos id est ipsos. ccclx. aut quot fuerint. P omis quattuor sic facis. Et quod remanet ipsum sub omibus scribes. Et accipies numerum epicicli & requires in canone ubi scriptum est canon anomaliae selenes. & quod inueneris sub epicicio. scribis tercium sub centronautes selenes. Et identidem accipies numerum epicicli & intendes ubi scriptum ē centronautes selenes canon anomalias & queres ibi quartum. & anaforas annotabis. Si centrum epicicli minus ē a. clxxx. illa que inuenisti de tertio addes sub centronautes. Nam si plus habuerit centrum epicicli a. clxxx. deduces de centronautes selenes. ad summam que ibi iam ē in centronautes. Intendes canonem anomalias selenes qd erit centronautes. Et queres quintum & sextum & scribis sextum iuxta quartũ & quintum supse. Et multiplicas quartũ & sextum. & partitis. lx. & quod remanserit. addis sup quintum. Nam si quartũ non habuerit. sic dimittis. Et iam sextũ. quintumq; solum scribes sub epicicio. Et si ēst centronautes selenes plus a clxxx. ista de quinto addimus ad centrum epicicio. Si ē minus centronautes id est a clxxx. deduces ista de quinto epicicio. Et quod remanserit sub epicicio habebis asscriptũ. Item de centro epicicio quod collegisti de quinq; capitulis apogiu deducis. Exinde semp sic facies. Si habes unde duces bene. Si autem non. addes. ccc lx. ad epicicium. & deduces quod habet apogiu. Et quod remanserit partitis tricesimam & ab ariete deduces. Et ubi numerus defecerit. ibi ē luna cum partib; & minutis suis. .vi. De quinq; planetis.

um uero uolueris quinq; planetas inuenire. sic facies. Accipies quinq; capitula ipsorum sicuti & in sole habes. & kardialeontos. & computas p singulos planetas. & si est unde. tetrahas unum orbem. uel duos. uel quot fuerint; Et residuum scribes sub omnib; Sed kardialeontos. ad omnes quinq; planetas ponet. Et cum iam scripseris

omnia intras centrum epicicli. et queres in
canone anomalias ipsorum tercium. Et quan-
tas inueneris contra epiciclum et contra auti-
austeros. scribis. Et si centrum epicicli minus
habuerit a clxxx. deducis quod inueneris
in tercium in canone anomalias et addes in
centro autiausteros. Si plus habuerit a
clxxx. ipsi addes ad epiciclum ista de ter-
cio quod inuenisti. Et deduces de centro
autiausteros. Et istum compotum quem
collegisti iam purgatum. Accipies. identi-
dem compotum epicicli. et queres in cano-
ne anomalias. et queres ibi quartum quod
dicitur exacosta. et uidebis ipsa exacosta
si auferetica aut prostetica sint. Et si pros-
tetica sint intramus in centrum autiau-
steros. Et accipies de sexto et septimo sehi
diu. Semper sic facies. Quartum et septi-
mum multiplicas addis semper super sextum.
Sed si illa techartu auferetica fuerint:
intras in canonem centru autiausteros
Accipis quintum et sextum et quartum
et quintum multiplicas. et partiris. lx.
secundo. et deducis; Istas multiplicas de sex-
to. Ergo habebis sextum super purgatum
et scribes sub epiciclo. Et si fuerit minus
centrum autiausteros a clxxx. semper
addis de sexto quod inuenisti in centru epi-
ciclo. Sed si plus est centru autiausteros
a clxxx. deducis de centru epiciclo quod
habuerit sextum. Ergo quando est pur-
gatum centrum epicicli addis semper quod
inueneris in ΚΑΡΔΙΑ ΑΗΘΟΡΟΟC. quantum
habuerit canon. et ΕΠΙΛΗΝΦΙΑ ipsorum.
cuiuscumque etiam rationem queres; Totas
simul colligis in unum. Et si habueris plus
a clxxx. subtrahes ipsos. ccclx. Et quod re-
manserit das tricenas singulis signis. Et
ubi numerus finierit: ibi erit planeta
possidens partes ipsas cum minutis suis
quot remanserunt. ∫ vi.

Qualiter inuenias horam.

Quando inuenimus ciuitatem in
occidente super illas quas accepimus addi-
mus quantum fuerit. et sic eas adullas
de alexandria equinoctiales facimus.
Item si ante alexandriam ciuitates inue-
nimus. horas exinde deducimus et ad
horas que sunt in alexandria facimus
et sol ubi sit. uel ipsius hora purgabis.
Verbi gratia. habet karthago melos.
xxiiii. Intersunt inter eam et alexan-
driam partes. xxvi. quod facit horam
unam et semis et quartam partem
hore. quante oportet super illas equino-
ctiales addere. Item qualiter ipsas horas
purgare debes. Intendes in clima ubi est
ciuitas et attendes quot partes habeat
sol in signo in quo est constitutus. et ad
hoc intendes contra eas partes notabis
quante sint lepte. Et si quasi quintam
inueneris: quinquies duplicas et parti-
ris lx. et animo retinebis. Item notabis
in eodem anaforas quante sint. et quin-
quies duplicas etiam ipsas. Et adicias il-
luc leptas quas iam dudum diximus. et
animo retines. Partiris quindecim et proueni-
es ut de quinque horis. iiii. facias equinocti-
ales. et quartam partem unius hore ∫ vii.

De horoscopo.

Orosco pum sic inuenies. Notabis
quantas partes habeat sol in signo et in-
tendis clima ubi erit ciuitas. Si in clima
te primo aut secundo. aut tercio aut quarto
fuerit: requiris ibi signum ubi est sol. et
quantas partes habet sol in eodem signo.
Adicies illuc orienetonon quante fuerint
Si tercia erit triplicas. aut quot fuerint.
et adicies super illum compotum. Item
adicies anaforas. et collecta summa: at-
tendes in ipsum clima. Et ubi inue-
neris summam collectam: ibi erit horos-
copus cum partibus et minutis suis. ∫ viii.
Item horoscopum sic inuenies; Item de horoscopo.
Attendes ciuitatem quamuis. et inten-
des in quo climate sit. Verbi gratia.
Accipies horam quintam. et intendes
in sagittario in ipso climate tercio: ubi
sol sit. Verbotenus habet in eodem sig-
no partes. xx. Notabis contra ipsas. xx.
partes in orienetonu in climate tercio
et inuenies ascripum leptas. xxxiii.
Quas. xxxiii. si quinquies multiplicabis
faciunt. clxv. Partiris. lx. dispondius;

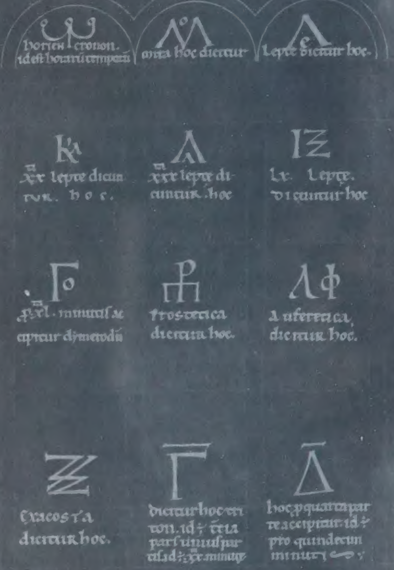
Supant .xlv. Item notabis contra ipsas partes .xx. solis in eodem loco. & invenies .xii. Quas iterum quinquies multiplicabis. faciet tantum .lx. et duos qui remanserant: sup addes. faciet .lxii. & xlv. leptas. Item dis in eodem signo sagittario contra .xx. partem quante sunt anafore & invenies cclxxiii. & addis sup ipsas .cclxxiii. addis illuc .lxii. & identidem ibi invenies ascriptum .xlviii. Quas .xlviii. addes sup .lv. Ibi .lx. Una sup .xliii. Quam unam addes sup summam illam. faciet tantum .cccxxxvi. & xliii. leptas. Invenies vero ipsas .cccxxxvi. in aquario. Contra se notabis. & invenies .xxvi. partes. & .xliii. leptas in eodem signo habere horoscopum. Si vero per noctem querere volueris quantas habet sol partes in eodem signo contra id signum quod fuerit similiter una cum ipso computas a diametro & ibi erit horoscopus. Item si quarta semis fuerit: facies sic. Anaforas quater duplicas & medietatem anaforarum. Sup additi es illuc orienteronii & medietatem anaforarum ipsarum atque intendes in signum et invenies ubi sit. .ix. cap.

De medio celo.

Medium autem celum sic invenies. Quantas partes collegisti in horoscopum: tot in horcespeta attendes. & ubi ipsum compotum omnem inveneris: ibi erit medium celum. Et attendes contra illum & dices quot partibus ibi sit. Quantas partes vero habebit horoscopus in signo in quo fuerit: tantas partes habebit occidens in signo contra eum id est a diametro qui dicitur. Similiter medium celum contra eum qui subterrius erit ibi erit e contrario signo. Si vero horam nocturnam queris: sic queris a diametro solis. .x. cap.

De loco fortune.

Fortune locum taliter invenies. Computas a parte solis usque ad partem lune. & addis sup quot horoscopus habet. Et eicies numerum collectum ab horoscopo. & ubicumque devenerint: ibi dicis esse fortune locum. Exempli causa ponis solem esse in ariete partibus .x. lunam esse in cancro partibus .quinque. horoscopum in leone partibus .xx. computas a sole usque ad lunam. & invenies partes .lxxxv. addis sup .xx. partes leonis. & invenies omnes partes .cv. Eicies a prima parte leonis & invenies quarto signo scorpione: partes .xv. ibi dicis esse fortune locum. & istud quidem in diurna nativitate. In nocturna vero a parte lune usque ad partem solis colligis numerum & similiter addis quot habet horoscopus & sic inde eicies. & ubi tibi ceciderit numerus ibi dicis esse fortune locum.



.xi. cap. De transitu horarum solis & lune.

Transitum horarum solis seu lune. sic invenies. Facies quinque capitula. Primo solis colligis partes & minutas de quinque capitulis. Initias in anomaliam in tercia pagina. & invenies partes & minutas. Et si numerus qui illatus est in anomalia intra partes .clxxx. fuerit detrahes. Si excesserit partes .clxxx. additues. Et sup addes partes .lxv. minutas .xxx. & dimittes ab ariete per singula signa

& eicies solem in signo. Post hec ut non per singulos dies labores: super ipsum numerum quod de quinque capitulis collegisti addes super quod habent dies egyptiorum. hoc est quod inueneris in dies sex qui habent partes. IIII. minutas LVI. hoc facies per dies quinos in unoquoque mense sed non ubique ad partes. IIII. & LVI. sed est ubi habet. IIII. & LV. Notandum tibi erit per singulos dies. Hi sunt dies qui adduntur primo die. sexto die. Undecimo die. Sextodecimo die. Vigesimo primo die. Vigesimo sexto. & reuertitur ad caput id est diem sextum.

De luna

[S]imiliter & lune super partes quas de quinque capitulis collegisti super ipsum numerum addes supra dies egiptiorum qui habent dies tres. Hoc est dies apogion habet partes uiginti duas. minutas XXV. Epiciclus partes XLVIII. minutas XLVI. Centrum habet partes XXVI. minutas VIII. Hoc addis in unoquoque mense per triduum. hoc est die tercio. Die quinto. Die sexto. Die septimo. Die nono. Die undecimo. Die tercio decimo. Die quintodecimo. Die septimodecimo. die nonodecimo. Die uigesimo primo. die uigesimo tercio; ~~die uigesimo tercio~~. Die uigesimo quinto. Die uigesimo septimo. Die uigesimo nono. & reuertetis ad tres. Iam hoc audito intras in anomalia & eicies lunam in signo per triduum. Postea cognoscis quas partes habeat luna in signo die kalendarum a quo inchoas. Et in tercia die quot partes habeat in signo similiter: & uides quantas partes sint minus ad signum die kalendarum & super addis partes lune de tercia die. Et agnoscis quantas partes moueatur luna diei. Verbi causa inuenimus lunam die kalendarum habere in signo partes XXVI. & minutas VI. In aquario minus habet ut compleat: partes tres. minutas LIII. Post terciam diem habet partes in piscibus XXII. minutas XLV. & addes & illas partes tres. & minutas LIII. fiunt partes XXVI. minutas XXXIX. Ergo mouetur die partes XIII. minutas uiginti. Addes super partes. XXVI. & minutas. VII. fiunt simul partes XXXIX. & minutas XXVII. Ex

his signum partes XXX. habet in tercio nonas hoc est in signo piscium. Partes IX. minutas XXVII. Ergo ut agnoscas transitum horarum solues in mense partes quod mouetur id est partes XIII. minutas XX. qui faciunt minutas DCCC. In XXIIII. fiunt XXXIII. SS. Modo solues partes tres. & minutas. LIII. quod minus est ad signum die kalendarum qui faciunt minutas. CC XXXIII. partiris in XXXIII. SS. fit. VII. Z. Ergo inuenimus transitum horarum die kalendarum noctis esse hora. VII. Z.

De die.

[S]ic aliter agnoscis id est uides quantas partes remanent de post signo & ipsas solues in minutas quas die mouetur. Et quod partitus fueris: deducis de horis XII. & quod remanet: ipsum erit transitus horarum diei

De sinodo uel plenilunio.

[Q]uando synodum aut plenilunium facere uolueris: constitues gnomonis tria capitula. Colligis partes eorum id est solis primo. Post hec apogion & epicidum. Et respicias partes epicicli quante sunt. quas de trib; capitulis collegisti. & quante partes sunt minus ad partes. CCC. LX. & coniungis solis partes. partes apogion similiter. Et ad minutas eorum addis solis partes. LXV. minutas XXX. & multiplicas per bis ciclum id est partes CCCLX. Reliquum numerum respicies ad partes epicicli quas de trib; capitulis collegisti. & si contra par erit: bene computasti. si non: errasti. Ergo ut superius diximus: agnoscas quantum minus sit epiciclus ut compleatur partes CCCLX. Et requiras in dies egyptiorum lune in epiciclo & inuenies dies & horas. Et colligis partes solis primo de quinque capitulis collectum. Et addis ei partes. LXV. minutas XXX. & eicies solem in signo suo. Post hec computas partes epicicli & inuenies partes. CCCLX. Iterum colligis partes apogion & de partib; epicicli id est. CCC LX. eicies partes apogion quante fuerint. et eicies lunam in signo suo. Et si facti fuerint in somni. Sol & luna bene computasti. si autem non: errasti. Post hec computas partes & minutas de centro

de quinq; capitulis collectum. & describes
partes et minutas. & post hec omnia collecta
mittes primo partes solis quas de quinq;
capitulis collegisti in anomalia. Et quan
tas partes et minutas inueneris: addes
signo quo fertur sol: aut detrahes de sig
no. Quia si numerus qui [illegible] illatus é. in ano
malia intra partes. clxxx. fuerit detrahis.
Si super fuerit: addis. Post hec mittas centrū
purgatum de quinq; capitulis in ano
malia lune. id est in quinta pagina. et
notabis & quantas partes aut minutas
inueneris addes lune in signo quo fer
tur: aut detrahes. Et uides distantiam
solis et lune. & partitis quartam. & . ccc.
Et qđ partitus fueris addis centro aut
detrahis. Quia si luna plures partes ha
buerit quam sol detrahis centro. Si mino
res partes habuerit quam sol: addis cen
tro. Iterato ipsum numerum centro mit
tis in anomalia lune in quinta pagina. &
quantas partes et minutas inueneris
similiter notabis. & addis signo in quo fert
luna aut detrahis. Et uides tūm distanti
am solis & lune. Et solues in quintas & par
titis in duodecimá & quod partitis addis
sup ipsam distantiam solis & lune & uides
si luna plures partes habet quam sol: de
trahis centro cum duodecima sua. Lu
na si minores partes habuerit quam sol
addi distantiam cum duodecima sua lune.
Iterato illam duodecimam. addis soli
aut detrahis & habebis purgatū sino
dum aut plenilunium

De panseleno.

[R]atio panseleni uel sicetum facere
uolueris ut non labores tali ratione cog
nosces. Si forte annos minores uel diem
non inueneris: pones annos maiores et
mensem qui tibi fuerit datus. hoc é quē
quesieris. Et computas partes epicicli
de duobus capitulis id est annos maiores
& mensem. Et uides quantas partes ha
beat epiciclus. Qui si uerbi gratia habu
erit partes. ccclviii & minus habuerit
partes tres. Iam non requires in dies egyp
tiorum. sed horas requires quid habuerint. &
ipsum ponis in epiciclo lune et habebis
epicicli partes. cccx. Ergo inuenimus in
anno diocletiani. ccxliiii. pridie idus
septembris. coetum. Posuimus annos phi
lippi id est. ccxciiii. Augusti. cccxiii. di
ocletiani. ccxliiii. qui fiunt anni nu
mero. dccli. & minores annos non inue
nimus. Simuli modo posuimus & mensē
februarium. quia ut diximus pridie
iduum septembrium fuit. Ipso modo
posuimus annos maiores numero dccc
li. & mensem februariū et inuenimus
partes epicicli. ccclvi. minutas. xxxi.
Minus est ut compleatur cyclus partes
ccclx: partes. tres. minutas xxix.
Ergo quia diem non inuenimus requisi
uimus in horis id est in epicicli & inue
nimus horas tres. & minutas tres quas
tulimus de horis tribus & minutis. xxix.
Et inuenimus epiciclum habere partes
ccclx. Merito ne aliquando contige
rit ut scias qui rationem nouit qualiter
casus istos obseruare debeat ut non labo
ret sicut et michi euenit & cum magno
labore hoc potui inuestigare quia ratio
ista multas habet difficultates

De apocrisi.

[Q]uando apocrisim facere uolueris
ut scias si integro computasti epiciclum
iam factis tribus capitulis. & collectis par
tib; & minutis solis & apogio & epiciclo
non ut erres: coniunges partes solis &
epicicli similiter & minutas. addis super
partes solis. lx. minutas. xxx. Et multipli
cas zelus cyclum id é partes. ccclx. Et quod
remanserit respicies partes epicicli quas
de tribus capitulis collegisti. & si contra
par erit bene computasti. Sin aliter: er
rasti. Tamen primo minutas multipli
casti partes & minutas faciant etiam
multiplicatas partes. Sup addicies quod
multiplicasti & sic exies ciclum.

Horoscopi computatio.

[H]oroscopum si computabis. puta nun
tiatur tibi genesis hora diei quinta
uel. tertia. & queecūq; est usq; sextam. Sol
ues diem in horas; Et facies horas. xxiiii.

horis a meridie horas. vi. & noctis horas
xii. Et quinq; que tibi ppositę fuerunt
& facies gnomoni. ꝑ. xxiiii. id est unam
diem deduces de dieb; alexandrinis. Sed si
meridie tibi fuerit nuntiata: ipsū diē constitues.
Puta nuntiata ē tibi genesis hora nona. Deduces ꝑ.
vi. a meridie & ascribis gnomoni ꝑ. iii. Similit̃ fa-
cies usq; ad horas. xii. Diei deduces horas. vi. &
ascribis gnomoni horas. vi. Itē si nocturna fue-
rit genesis facies sic. Puta genesim nocturnā ho-
ra noctis. vii. Addis ꝑ. vi. a meridie & ascribes gno-
moni: horas. xiii. Et si. v.ta uel sexta noc
tis nuntiata fuerit tibi: addis semper
vi. ꝑ. a meridie ita ut non deduces diē
diebus alexandrinis. Et sic restitues
gnomonem purgatum. Post hec colligis
partes & minutas & eicies solem in signo
suo. Verbi causa. Inuenimus solem in
ariete partes. iiii. minutas. xxiiii. Et
quia nocturna fuit genesis: induximꝰ
in diametro solis. id est in libra. inclina
te quinto. Ergo induximus in libra:
partes. iiii. minutas. xxiiii. Et inuenim
mus adiacere in horarum minutis par-
tes. xxiiii. minutas. xlv. Et quia hora
noctis septima fuit genesis: sic faciemus
facies septies. xlv. faciunt. cccxv. has
partiris in. lx. fiunt partes quinq; &
minutę. xv. Similiter facis & partes. xiiii.
quattuor decies. vii. fit. xcviii. addis & v.
& xv. fiunt simul partes. ciii. minutę. xv.
Addis & anaforas. Ergo inuenimus adia
cere ad. iiii. & xxiiii. partes. clxxxv. &
minutas. iiii. in superiori numero & in in
feriori habet partes. clxxxvi. & minu-
tas. xx. In inferiori numero & in supi
ore distantia parte una minutę. xc.
qui faciunt minutas lxxvi. Et quia
induximus partes. iiiior. minutas. xxiiii.
fiunt. xxiiii. septuagies sexies fiunt
xxx. Ergo inuenimus anaforas habe
re partes clxxxv. & minutas. xxx. Ad
dis & illas partes. ciii. & minutas. xv.
de horarum minutis. fiunt simul par
tes. cclxxxviii. minutę. xlv. Requires
similiter inclinate quod quesieris par
tes. cclxxxviii. & minutas. xlv. in anafo-

ras. & inuenimus partes. cclxxxvii. minu
tas. lviii. Intersunt a quod intulimus mi
nutas. xlvii. Et inter superiorem numerum
& inferiorem ē pars una. & minute. viii.
quę faciunt minutas lxix. Ergo sic facies
quadragies sexies. lxviii. facit summam
liii. Ergo inuenimus horoscopum sagit-
tario partes. xxvi. minutas. liiii. Requires
et medium celum. Similiter ipsum nu
merum. id est partes cclxxxviii. & minu
tas. xlv. Inferes horę spera in quocumq;
signo & in anaforas. Et inuenimus adia
cere ad partes cclxxxviii. ~~& minutas~~ et
minutas. xlv: partes. cclxxxviii. & minutas
xxv. Minus ē ad quod intulimus minutas
xx. Et in inferiore numero inuenimꝰ partes
cclxxxix. & minutas. xxi. Est distantia in
inferiori numero & superiori minutę. lvi. Ergo
facis uicies. lvi. facit. xix. Prope ergo inue
nimus medium celum libra partes. xx.
minutas. xix.

Aciemus mensem septembrem certū
siue panselenum capitationes: sicut
theon docet. Et inuenientes primas partes
luminum solis quidem post addentes par
tes. lxv. minutas. xxx. Lunarū postquam de
ducimus apogion; ut non ergo p singulos
menses difficile querentes. quinq; capitula
remoremur: oportet eis quod inuentū
fuerit. ⁓ addentes partes. xxviii.
minuta. minutarū
minutas. vi. & sly. sly. xxx. Centro lunę
simili modo addentes partes. xxv. minu
tas. xlix. De horis uero de quod in
uentum fuerit deducimus semp. ꝑ.
xi. Si autem ad deducendas horas non
sufficiunt quę sunt horę ut deducimꝰ
xi. & xvi. de diebus deducimus diem unā.
& addentes. ꝑ. xxiiii. deducimus tamen
Ut aptius cognoscas constitues gnomonē
& colligis partes & seu solis siue lunę collec
tum numerum addis partes. lxv. & mi
nutas. xxx. Antequam intres in anoma
lia & eicies solem in signo suo. Simili mo
do de partib; epicicli deduces partes apo
gion & eicies lunam in signo suo. Et in
uenta est hisomeria solis & lunę. In-

ducis partes priores solis quas de quinq;
capitulis collegisti in anomalia. Et quod
inueneris addis sup partes solis aut detra
his. Quia si numerus illatus in anoma
lia intra partes clxxx fuerit deducis.
Si excesserit partes clxxx addis partes
ꝓpter quod. post hec affterius scripta ē.
Postea mittis & centrum lune partes qđ
de quinq; capitulis collegisti in anoma
lia in quinta pagina. & inuentas partes
& minutas notabis. Et si numerus quis il
latus est in anomalia intra partes clxxx.
fuerit. deducis lunam de signo in quo
fertur. Si autem excesserit partes clxxx.
addis lunam id est in signo in quo fertur
& uides distantiam solis & lune. Et par
tiris quartam & ccc. collectum numerū
Si luna plures partes habuerit quam
sol detrahis centro lune. Si autem luna
minores partes habuerit quam sol addis
centro lune. Iterato mittis centrum in
anomalia lune in quinta pagina. In
uentas partes & minutas addis lune
aut detrahis sicut supra dictum est.
Quia ut diximus si illatus numerus in
tra partes clxxx fuerit deducis lu
ne quod inueneris in anomalia. Si exces
serit clxxx. addis lune. Et inuento
numero uides hiperoca solis et lu
ne quanta sit & partiris in duode
cimam & supaddis. Et si luna plures
partes habuerit detrahes lune hype
rocam cum duodecima sua. Si sol plu
res partes habuerit quam luna addis
lune hiperocam cum duodecima sua
Iterato illam duodecimam addis soli
aut detrahis. Et inuentum synodum
aut plenilunium unius mensis id est
mense ianuario a quo inchoas facere.
ut non labores p singulos menses sic faci
es in alio mense. Ponis mensem dies & ho
ras & addis super partes solis quod de
quinq; capitulis collegisti. partes xxviii.
minutas vi. ... xxx. Similiter &
sup signum lune inuentum de quinq;
capitulis & centro addis similiť sup par
tes collectas de quinq; capitulis partes xxv. mi
nutas xlviii. Et collecto numero inci iano-

malia ut supra scriptum est seu solis siue
lune. Sic facies p singulos menses.

De cetu aut plenilunio.

[C]um cetum aut plenilunium face
re uolueris constitues gnomonem tri
bus tabulis id est annos maiores. annos
minores & mensem. Nam dies & horas
canon tibi dat. Ergo sic faciemus. Colli
gis partes & minutas eorum id est de tri
bus capitulis. Solis primo. Post hec
apogion et partes epicicli quante sint
Quia quod minus erit ad partes ccclx.
ipsum requiris in dies egyptiorum in
epicicli lune. Et inuenies dies & horas.
Puta inuenimus epiciclum habere de
tribus capitulis partes ccclviii. minu
tas xxxi. Minus ē ut compleatur epici
clus partes ccclx. parte una minutis
xxix. Et quia ratio sic inuenire ut a
xv. requiremus in dies egyptiorum in
epicicli lune. & non inuenimus quod
intulimus id est partem unam minu
tas xxix. Requisiuimus in epicicli
lune. & inuenimus in dies xxx. habe
re epiciclum partes cccxlvii. minu
tas iiii. Ergo intulimus de partibus
ccclxi. minutas xxix. partes cccxlvii.
minutas iiii. Remanent xiiii. minu
tē xxv. Ergo inuenimus dies xxx. ho
ras xiiii. minutas xxv. Quas horas xii
ii. & minutas xxv. ponis in epicicli lu
ne. Et habebis epiciclum purgatum
partes ccclx. Postea requiris in horis ubi
sint xiiii. & xxv. in epicicli lune & in
uenimus xiiii. & xiii. Ergo intulimus
de xiiii. & xxv. quas intulimus xiiii.
& xiii. Remanent hore xii. & minute
xii. Quas horas ponimus in quinq; ca
pitula xii. & minutas xii. Si uis ta
men scire si a prima parte usq; in xv.
aut a xv. usq; in xxx. requiras. Colli
gis de trib; capitulis similiť partes solis
et partes apogion de trib; capitulis con
iungis simul. Addis soli partes lxv. mi
nutas xxx. et multiplicas. & collectū
numerum quem tenebis. Si apotesis
facere uolueris si intra partes clxxx.

fuerit: a prima usq; in .xv. requires in epicicło lunę. id est in dies egyptiorum. Si autem excesserit partes clxxx. a .xv. usq; in .xxx. similiter. Coetum si facere uolueris. si iuncta partes clxxx. fuerit usq; in .xxx. Si autem excesserit partes clxxx. a prima usq; in .xv. requires in dies egyptiorum. hoc est in epicicło lunę.

De solis eclypsi et lunę.

[S]ciendum ē. quod luna non patiatur eclypsim nisi cum plena fuerit. Sol uero: nisi tricesima luna erit. Et hoc non fit in sole: ante sextam horam diei. Crescente lumine ad ♄. ♃. ♂. ✱. ◁. Et in eo signo bonas facies. □. quadratas. Diametras. m̃. facies. Deficiente lumine ad Ꝺ & ♀ exagonas. trigonas. Et in eo signo bonas facies. □. quadratas. Et diametras. m̃. mediocres facies. Et minuente lumine ad saturnum. ♄ exagona trigona. m̃ mediocres quadrata. □. diametra. Et in eo signo kalendę cauendę. Crescente lumine ad Ꝺ exagonum uel trigonū. m̃. Mediocres. □. quadrata & diametra. Et in eo signo kalendę cauendę. Apocrisim si iuncta clxxx. a prima in .xv. Si autem excesserit: a .xv. in .xxx. Coetus si iunctas clxxx. a .xv. in .xxx. Si autem excesserit a prima in .xv. Dum inueneris emptosim partiris in horeondromena. Similiter et mones partiris in horeondromena singillatim. Et scies quot horas eicies de emptosi et singillatim describis. Similiter et mones singillatim describis. Et coniungis horas de emptosi & mones & sic eicies de horis illis quod apocrisin fecit. et habes initium obscurationis. Iterum eicies mones de medio tempore. & habes initium mones. Ipsum uero apocrisim fecit. habes medium tempus. Addes iterum mones id est horam dimidiam et habes finem mones. Iterum addes horas illas quas eiecisti de emptosi et mones sup medium tempus. & habes finem purgationis. Et erimus accipientes quinq;

tempora quando mones habuerit. In horis uero si plus intuleris in epiciclo inde deducis. Si minus intuleris: similiter de quot inueneris deducis. In apogion uero quod intuleris & non inueneris: requires superiorem & inferiorem. & addes aut deduces;

CANON XXV. SOLIS — CANONS XXV SOLIS — CANON SOLIS:

annales	longitudo		annales	longitudo		anni singulares	solis longitudo	
i	clxii	x	dcclii	cccxxxix	xlviii	i	ccclix	xlv
xxvi	clvi	v	dcclxxvi	cccxxxiiii	xlv	ii	ccclix	xxxi
li	cl	i	dccci	cccxxvii	xl	iii	ccclix	xvi
lxxvi	cxliii	lvi	dcccxxvi	cccxxi	xxxv	iiii	ccclix	ii
ci	cxxxvii	li	dcccli	cccxv	xxxi	v	ccclviii	xlvii
cxxvi	cxxxi	xlvii	dccclxxvi	cccviiii	xxvi	vi	ccclviii	xxxii
cli	cxxv	xlii	dcccci	ccciii	xxi	vii	ccclviii	xviii
clxxvi	cxviiii	xxxvii	dccccxxvi	ccxcvii	xvii	viii	ccclviii	iii
cci	cxiii	xxxiii	dccccli	ccxci	xii	viiii	ccclvii	xlviiii
ccxxvi	cvii	xxviii	dcccclxxvi	cclxxxv	vii	x	ccclvii	xxxiiii
ccli	ci	xxiii	m̄ i	cclxxix	iii	xi	ccclvii	xx
cclxxvi	xcv	xviii	m̄ xxvi	cclxxii	lviii	xii	ccclvii	v
ccci	lxxxix	xiiii	m̄ li	cclxvi	liii	xiii	ccclvi	l
cccxxvi	lxxxiii	viiii	m̄ lxxvi	cclx	xlviiii	xiiii	ccclvi	xxxvi
cccli	lxxvii	iiii	m̄ ci	ccliiii	xliiii	xv	ccclvi	xxi
ccclxxvi	lxxi	ō	m̄ cxxvi	ccxlviii	xxxviiii	xvi	ccclvi	vii
cccci	lxiiii	lv	m̄ cli	ccxlii	xxxiiii	xvii	ccclv	lii
ccccxxvi	lviii	l	m̄ clxxvi	ccxxxvi	xxx	xviii	ccclv	xxxviii
ccccli	lii	xlvi	m̄ cci	ccxxx	xxv	xviiii	ccclv	xxiii
cccclxxvi	xlvi	xli	m̄ ccxxvi	ccxxiiii	xx	xx	ccclv	viii
di	xl	xxxvi	m̄ ccli	ccxviii	xv	xxi	cccliiii	liii
dxxvi	xxxiiii	xxxii	m̄ cclxxvi	ccxii	xi	xxii	cccliiii	xxxix
dli	xxviii	xxvii	m̄ ccci	ccvi	vi	xxiii	cccliiii	xxiiii
dlxxvi	xxii	xxii	m̄ cccxxvi	cc	ii	xxiiii	cccliiii	x
dci	xvi	xviii	m̄ cccli	cxciii	lvii			
dcxxvi	x	xiii	m̄ ccclxxvi	clxxxvii	lii			
dcli	iiii	viii	m̄ cccci	clxxxi	xlviii			
dclxxvi	ccclviii	iiii	m̄ ccccxxvi	clxxv	xliii			
dcci	cccli	lviiii	m̄ ccccli	clxix	xxxviii			
dccxxvi	cccxlv	liiii	m̄ cccclxxvi	clxiii	xxxiiii			

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Menses			DIES EGY	SOLIS LON		HO	SOLIS LON	
egýptiorū			PTIORUM	GITUDO		RE	GITUDO	
MEN			i	ō	ō	i	ō	ii
SES			ii	ō	lviiii	ii	ō	v
SO			iii	i	lviii	iii	ō	vii
LIS			iiii	ii	lvii	iiii	ō	x
SEPTEM	ō	ō	v	iii	lvii	v	ō	xii
BER			vi	iiii	lvi	vi	ō	xv
OCTO	xxviiii	xxxiiii	vii	v	lv	vii	ō	xvii
BER			viii	vi	liiii	viii	ō	xx
NOVEM	lviiii	viii	viiii	vii	liii	viiii	ō	xxiii
BER			x	viii	lii	x	ō	xxv
DECEM	lxxxviii	xlii	xi	viiii	li	xi	ō	xxviii
BER			xii	x	li	xii	ō	xxx
IANU	cxviii	xvii.	xiii	xi	l			
ARIUS			xiiii	xii	xlviiii			
FEBRU	cxlvii	li	xv	xiii	xlviii	xiii	ō	xxxii
ARIUS			xvi	xiiii	xlvii	xiiii	ō	xxxv
MAR	clxxvii	xxv	xvii	xv	xlvi	xv	ō	xxxvii
TIUS			xviii	xvi	xlv	xvi	ō	xxxviiii
APRI	ccvi	lviiii	xix	xvii	xliiii	xvii	ō	xlii
LIS			xx	xviii	xliiii	xviii	ō	xliiii
MA	ccxxxvi	xxxiii	xxi	xix	xliii	xix	ō	xlvii
IUS			xxii	xx	xlii	xx	ō	xlviiii
IUNI	cclxvi	vii	xxiii	xxi	xli	xxi	ō	lii
US			xxiiii	xxii	xl	xxii	ō	liiii
IULI	ccxcv	xli	xxv	xxiii	xxxviiii	xxiii	ō	lvii
US			xxvi	xxiiii	xxxviii	xxiiii	ō	lviiii
AUGUS	cccxxv	xvi	xxvii	xxv	xxxviii			
TUS			xxviii	xxvi	xxxvii			
EPAG	cccliiii	l	xxix	xxvii	xxxvi			
OAS			xxx	xxviii	xxxv			

Numeri communes	SO	LIS	CA	NON	A	NO		MA	LI	AS
I	II	III	IIII	I	II	III	IIII	I	II	IIII
i	ccclviiii	õ	iii	xxxi	cccxxviiii	i	xi	lxi	ccxcviiii	ii iii
ii	ccclviii	õ	v	xxxii	cccxxviii	i	xiii	lxii	ccxcviii	ii v
iii	ccclvii	õ	vii	xxxiii	cccxxvii	i	xv	lxiii	ccxcvii	ii vi
iiii	ccclvi	õ	x	xxxiiii	cccxxvi	i	xvii	lxiiii	ccxcvi	ii vii
v	ccclv	õ	xii	xxxv	cccxxv	i	xviiii	lxv	ccxcv	ii viii
vi	cccliiii	õ	xv	xxxvi	cccxxiiii	i	xxi	lxvi	ccxciiii	ii viiii
vii	cccliii	õ	xvii	xxxvii	cccxxiii	i	xxiii	lxvii	ccxciii	ii x
viii	ccclii	õ	xviiii	xxxviii	cccxxii	i	xxv	lxviii	ccxcii	ii xi
viiii	cccli	õ	xxi	xxxviiii	cccxxi	i	xxvii	lxviiii	ccxci	ii xii
x	cccl	õ	xxiiii	xl	cccxx	i	xxviiii	lxx	ccxc	ii xiii
xi	cccxlviiii	õ	xxvi	xli	cccxviiii	i	xxxi	lxxi	cclxxxviiii	ii xiiii
xii	cccxlviii	õ	xxviii	xlii	cccxviii	i	xxxiii	lxxii	cclxxxviii	ii xv
xiii	cccxlvii	õ	xxxi	xliii	cccxvii	i	xxxv	lxxiii	cclxxxvii	ii xvi
xiiii	cccxlvi	õ	xxxiii	xliiii	cccxvi	i	xxxvii	lxxiiii	cclxxxvi	ii xvii
xv	cccxlv	õ	xxxv	xlv	cccxv	i	xxxviiii	lxxv	cclxxxv	ii xviii
xvi	cccxliiii	õ	xxxviii	xlvi	cccxiiii	i	xl	lxxvi	cclxxxiiii	ii xviii
xvii	cccxliii	õ	xl	xlvii	cccxiii	i	xlii	lxxvii	cclxxxiii	ii xviiii
xviii	cccxlii	õ	xlii	xlviii	cccxii	i	xliiii	lxxviii	cclxxxii	ii xx
xviiii	cccxli	õ	xlv	xlviiii	cccxi	i	xlv	lxxviiii	cclxxxi	ii xxi
xx	cccxl	õ	xlvii	l	cccx	i	xlvii	lxxx	cclxxx	ii xxii
xxi	cccxxxviiii	õ	xlviiii	li	cccviiii	i	xlviii	lxxxi	cclxxviiii	ii xxii
xxii	cccxxxviii	õ	lii	lii	cccviii	i	l	lxxxii	cclxxviii	ii xxii
xxiii	cccxxxvii	õ	liiii	liii	cccvii	i	lii	lxxxiii	cclxxvii	ii xxiii
xxiiii	cccxxxvi	õ	lvi	liiii	cccvi	i	liii	lxxxiiii	cclxxvi	ii xxiii
xxv	cccxxxv	õ	lviii	lv	cccv	i	lv	lxxxv	cclxxv	ii xxiiii
xxvi	cccxxxiiii	i	i	lvi	ccciiii	i	lvi	lxxxvi	cclxxiiii	ii xxiii
xxvii	cccxxxiii	i	iii	lvii	ccciii	i	lvii	lxxxvii	cclxxiii	ii xxiii
xxviii	cccxxxii	i	v	lviii	cccii	i	lviii	lxxxviii	cclxxii	ii xxiii
xxviiii	cccxxxi	i	vii	lviiii	ccci	ii	õ	lxxxviiii	cclxxi	ii xxiii
xxx	cccxxx	i	viiii	lx	ccc	ii	i	xc	cclxx	ii xxiii

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i	ii	iii	i	ii	iii	i	ii	iii
xci	cclxviiii	ii xxiii	cxxi	ccxxxviiii	ii vi	cli	ccviiii	i xii
xcii	cclxviii	ii xxiii	cxxii	ccxxxviii	ii v	clii	ccviii	i x
xciii	cclxvii	ii xxiii	cxxiii	ccxxxvii	ii iii	cliii	ccvii	i vii
xciiii	cclxvi	ii xxiii	cxxiiii	ccxxxvi	ii ii	cliiii	ccvi	i v
xcv	cclxv	ii xxiii	cxxv	ccxxxv	ii i	clv	ccv	i iii
xcvi	cclxiiii	ii xxiii	cxxvi	ccxxxiiii	i lviiii	clvi	cciiii	i ō
xcvii	cclxiii	ii xxiii	cxxvii	ccxxxiii	i lviii	clvii	cciii	ō lviii
xcviii	cclxii	ii xxii	cxxviii	ccxxxii	i lvi	clviii	ccii	ō lvi
xcviiii	cclxi	ii xxii	cxxviiii	ccxxxi	i liiii	clviiii	cci	ō liii
c	cclx	ii xxii	cxxx	ccxxx	i liii	clx	cc	ō li
ci	cclviiii	ii xxii	cxxxi	ccxxviiii	i li	clxi	cxcviiii	ō xlviiii
cii	cclviii	ii xxi	cxxxii	ccxxviii	i xlviiii	clxii	cxcviii	ō xlvi
ciii	cclvii	ii xxi	cxxxiii	ccxxvii	i xlviii	clxiii	cxcvii	ō xliiii
ciiii	cclvi	ii xx	cxxxiiii	ccxxvi	i xlvi	clxiiii	cxcvi	ō xlii
cv	cclv	ii xviiii	cxxxv	ccxxv	i xliiii	clxv	cxcv	ō xxxviiii
cvi	ccliiii	ii xviiii	cxxxvi	ccxxiiii	i xliii	clxvi	cxciiii	ō xxxvii
cvii	ccliii	ii xviii	cxxxvii	ccxxiii	i xli	clxvii	cxciii	ō xxxiiii
cviii	cclii	ii xviii	cxxxviii	ccxxii	i xxxviiii	clxviii	cxcii	ō xxxi
cviiii	ccli	ii xvii	cxxxviiii	ccxxi	i xxxvii	clxviiii	cxci	ō xxviiii
cx	ccl	ii xvi	cxl	ccxx	i xxxv	clxx	cxc	ō xxvi
cxi	ccxlviiii	ii xvi	cxli	ccxviiii	i xxxiii	clxxi	clxxxviiii	ō xxiii
cxii	ccxlviii	ii xv	cxlii	ccxviii	i xxxi	clxxii	clxxxviii	ō xxi
cxiii	ccxlvii	ii xiiii	cxliii	ccxvii	i xxviiii	clxxiii	clxxxvii	ō xviiii
cxiiii	ccxlvi	ii xiii	cxliiii	ccxvi	i xxvii	clxxiiii	clxxxvi	ō xvi
cxv	ccxlv	ii xii	cxlv	ccxv	i xxv	clxxv	clxxxv	ō xiiii
cxvi	ccxliiii	ii xi	cxlvi	ccxiiii	i xxiii	clxxvi	clxxxiiii	ō xi
cxvii	ccxliii	ii x	cxlvii	ccxiii	i xxi	clxxvii	clxxxiii	ō viii
cxviii	ccxlii	ii viiii	cxlviii	ccxii	i xxviiii	clxxviii	clxxxii	ō vi
cxix	ccxli	ii viii	cxlix	ccxi	i xxvii	clxxviiii	clxxxi	ō iii
cxx	ccxl	ii vii	cl	ccx	i xxiiii	clxxx.	clxxx	ō ō

xxv. an	apogiu		cen	tru	centru	augis	borius	eratos
nales lune	eccentru		epi	ciclu				
i	lxxxii	xl	cclx	xl	lxxxv	xvii	ccxxx	xviiii
xxvi	lxxxviii	xviiii	cclxi	xlviii	cxliii	xv	cccliii	xl
li	xcv	lvii	cclxii	lvi	cci	xiii	cxvii	ō
lxxvi	cii	xxxvi	cclxiiii	iiii	ccliiii	xi	ccxl	xx
ci	cviiii	xv	cclxv	xii	ccxvii	viiii	iii	xli
cxxvi	cxv	liiii	cclxvi	xx	xv	viii	cxxvii	i
cli	cxxii	xxxi	cclxvii	xxvii	lxxiii	vi	ccl	xxi
clxxvi	cxxviiii	x	cclxviii	xxxv	cxxxi	iiii	xiii	xlii
cci	cxxxv	xlviiii	cclxviiii	xliii	clxxxviiii	ii	cxxxvii	ii
ccxxvi	cxlii	xxviii	cclxx	li	ccxlvi	ō	cclx	xxiii
ccli	cxlviiii	vi	cclxxi	lviiii	ccciiii	lviii	xxiii	xliii
cclxxvi	clv	xlv	cclxxiii	vii	ii	lvi	cxlvii	iii
ccci	clxii	xxiiii	cclxxiiii	xv	lx	liiii	cclxx	xxiiii
cccxxvi	clxviiii	ii	cclxxv	xxiii	cxviii	lii	xxxiii	xliiii
cccli	clxxv	xli	cclxxvi	xxxi	clxxvi	li	clvii	iiii
ccclxxvi	clxxxii	xviiii	cclxxvii	xxxviii	ccxxxiiii	xlviiii	cclxxx	xxv
cccci	clxxxviii	lviii	cclxxviii	xlvi	ccxcii	xlvii	xliii	xlv
ccccxxvi	cxcv	xxxvii	cclxxviiii	liiii	cccl	xlv	clxvii	v
ccccli	ccii	xv	cclxxxi	ii	xlviii	xliii	ccxc	xxvi
cccclxxvi	ccviii	liiii	cclxxxii	x	cvi	xli	liii	xlvi
di	ccxv	xxxiii	cclxxxiii	xviii	clxiiii	xxxviiii	clxxvii	vi
dxxvi	ccxxii	xi	cclxxxiiii	xxvi	ccxxii	xxxvii	ccc	xxvii
dli	ccxxviii	l	cclxxxv	xxxiiii	cclxxx	xxxvi	lxiii	xlvii
dlxxvi	ccxxxv	xxviiii	cclxxxvi	xlii	cccxxxviii	xxxiiii	clxxxvii	vii
dci	ccxlii	vii	cclxxxvii	xlviiii	xxxvi	xxxii	cccx	xxix
dcxxvi	ccxlviii	xlv	cclxxxviii	lv	xciiii	xxx	lxxiii	l
dcli	cclx	xxiiii	ccxc	v	ciii	xxviii	cxcvii	x
dclxxvi	cclxii	iii	ccxci	xiii	ccx	xxvi	cccxx	xxx
dcci	cclxviii	xli	ccxcii	xxi	cclxviii	xxiiii	lxxxiii	l
dccxxvi	cclxxv	xx	ccxciii	xxviiii	ccxxvi	xxii	ccvii	x

XXV annales	APOGIU		CENTRU		CENTRU		BORIU	
LUNE.	eccentru.		EPI	CICLV.	AN	TIS.	PER	ATOS
dccli	cclxxxi	lviii	ccxciiii	xxxvii	xxxiiii	xx	cccxxx	xxxvi
dcclxxvi	cclxxxviii	xxxviii	ccxcv	xlv	lxxxii	xviii	xciii	li
dccci	ccxcv	xvii	ccxcvi	liiii	cxl	xvii	ccxvii	xii
dcccxxvi	ccci	lv	ccxcviii	i	cxcviii	xv	cccxl	xxxii
dcccli	cccviii	xxxiii	ccxcviiii	viii	cclvi	xiii	ciii	liii
dccclxxvi	cccxv	xii	ccc	xvi	cccxiiii	xi	ccxxvii	xiiii
dcccci	cccxxi	li	ccci	xxiiii	xii	viiii	cccl	xxxiii
dccccxxvi	cccxxviii	xxx	cccii	xxxii	lxx	vii	cxiii	lv
dccccli	cccxxxv	viiii	ccciii	xl	cxxviii	v	ccxxxvii	xv
dcccclxxvi	cccxli	xlvii	ccciiii	xlviii	clxxvi	iiii	ō	xxxvi
m̄ i	cccxlviii	xxv	cccv	lvi	ccxliii	ii	cxxiii	lvi
m̄ xxvi	ccclv	iiii	cccvii	iiii	cccii	ō	ccxlvii	xvi
m̄ li	i	xliii	cccviii	xii	ccclviii	lviii	x	xxxvi
m̄ lxxvi	viii	xxii	cccviiii	xx	lvii	lvi	cxxxiii	lvii
m̄ ci	xiiii	lviiii	cccx	xxvii	cxv	liiii	cclvii	xvii
m̄ cxxvi	xxi	xxxviii	cccxi	xxxv	clxxiii	lii	xx	xxxvii
m̄ cli	xxviii	xvii	cccxii	xliii	ccxxxi	l	cxliii	lviii
m̄ clxxvi	xxxiii	lv	cccxiii	li	cclxxxviii	xlviii	cclxvii	xviii
m̄ cci	xli	xxxiiii	cccxiiii	lviiii	cccxlvii	xlvii	xxx	xxxviii
m̄ ccxxvi	xlviii	xiii	cccxvi	vii	xlv	xlv	cliii	lviiii
m̄ ccli	liiii	lii	cccxvii	xv	ciii	xliii	cclxx	xviiii
m̄ cclxxvi	lxi	xxxi	cccxviii	xxiiii	clxi	xli	xl	xl
m̄ ccci	lxviii	viiii	cccxviiii	xxxi	ccxviii	xxxviiii	clxiiii	ō
m̄ cccxxvi	lxxiii	xlvii	cccxx	xxxviii	cclxxvi	xxxvii	cclxxxvi	xxi
m̄ cccli	lxxxi	xxvi	cccxxi	xlvi	cccxxxv	xxxv	l	xli
m̄ ccclxxvi	lxxxviii	v	cccxxii	liiii	xxxiii	xxxiii	clxxiiii	ii
m̄ cccci	xciiii	xliii	cccxxiiii	ii	xci	xxxi	ccxcvii	xxi
m̄ ccccxxvi	ci	xxiiii	cccxxv	x	cxlviiii	xxx	lx	xlii
m̄ ccccli	cviii	i	cccxxvi	xviii	ccvii	xxviii	clxxxiiii	iii
m̄ cccclxxvi	cxiiii	xxxviii	cccxxvii	xxvi	cclxvi	xxvi	cccvii	xxiii

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CA	NON:	ANO	MA	LI	AS:	SE	LE	NIS;
numeri	cōmunes.	iii		iiii	v		vi	
i	ii							
i	ccclviiii	ō	viiii	ō	ō	v	ō	iii
ii	ccclviii	ō	xviii	ō	ō	x	ō	v
iii	ccclvii	ō	xxvii	ō	ō	xv	ō	vii
iiii	ccclvi	ō	xxxvi	ō	ō	xx	ō	x
v	ccclv	ō	xlv	ō	ō	xxv	ō	xii
vi	cccliiii	ō	liiii	ō	ō	xxviiii	ō	xiiii
vii	cccliii	i	ii	ō	ō	xxxiiii	ō	xvii
viii	cccliii	i	xi	ō	ō	xxxviiii	ō	xviiii
viiii	cccli	i	xx	ō	ō	xliii	ō	xxi
x	cccl	i	xxviiii	ō	ō	xlviii	ō	xxiiii
xi	cccxlviiii	i	xxxviii	ō	ō	liii	ō	xxvii
xii	cccxlviii	i	xlvi	ō	ō	lvii	ō	xxviii
xiii	cccxlvii	i	lv	ō	i	ii	ō	xxxi
xiiii	cccxlvi	ii	iiii	i	i	vii	ō	xxxiii
xv	cccxlv	ii	xiii	i	i	xi	ō	xxxvii
xvi	cccxliiii	ii	xxii	i	i	xvi	ō	xxxviii
xvii	cccxliii	ii	xxxi	i	i	xxi	ō	xl
xviii	cccxlii	ii	xxxviiii	i	i	xxv	ō	xlii
xviiii	cccxli	ii	xlvii	i	i	xxx	ō	xlv
xx	cccxl	ii	lvi	i	i	xxxv	ō	xlvii
xxi	cccxxxix	iii	v	ii	i	xxxix	ō	xlviiii
xxii	cccxxxviii	iii	xiiii	ii	i	xliiii	ō	lii
xxiii	cccxxxvii	iii	xxiii	ii	i	xlviiii	ō	liiii
xxiiii	cccxxxvi	iii	xxxi	ii	i	liii	ō	lvi
xxv	cccxxxv	iii	xl	ii	i	lviii	ō	lviiii
xxvi	cccxxxiiii	iii	xlviiii	iii	ii	iii	i	i
xxvii	cccxxxiii	iii	lvii	iii	ii	vi	i	iii
xxviii	cccxxxii	iiii	vi	iiii	ii	xi	i	vi
xxviiii	cccxxxi	iiii	xv	iiii	ii	xv	i	viii
xxx	cccxxx	iiii	xxiii	iiii	ii	xviiii	i	x

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sig gra na dus	sig gra na dus	sig gra annus na dus t x	gra annus dus t e	gra annus dus t e	sig gra annus na dus t e	gra annus dus t e	gra annus annus dus t e. t i e.
ō i	xi xxix	iiii viii xiii	ō xxiii	ō xi	v vii xxviii	ii xiiii	ō iii lvi
ō ii	xi xxviii	iiii viii i	ō xlvii	ō xxiii	v vii xxix	ii xiiii	ō vii li
ō iii	xi xxvii	iiii vii xlix	i xi	ō xxxiiii	v vii xxx	ii xiiii	ō xi xlvii
ō iiii	xi xxvi	iiii vii xxxvii	i xxxiiii	ō xlvi	v vii xxxi	ii xiiii	ō xv xliii
ō v	xi xxv	iiii vii xxv	i lviii	ō lviii	v vii xxxii	ii xiii	ō xix xxxviii
ō vi	xi xxiiii	iiii vii xiiii	ii xxi	i ix	v vii xxxiii	ii xiii	ō xxiii xxxi
ō vii	xi xxiii	iiii vii ii	ii xlv	i xx	v vii xxxiii	ii xiii	ō xxvii xxv
ō viii	xi xxii	iiii vi l	iii viii	i xxxii	v vii xxxiiii	ii xiii	ō xxxi xix
ō ix	xi xxi	iiii vi xxxviii	iii xxxii	i xliii	v vii xxxiiii	ii xii	ō xxxv xii
ō x	xi xx	iiii vi xxvi	iii lv	i lv	v vii xxxv	ii xii	ō xxxix iiii
ō xi	xi xix	iiii vi xv	iiii xix	ii vi	v vii xxxvi	ii xii	ō xliii lvi
ō xii	xi xviii	iiii vi iii	iiii xlii	ii xviii	v vii xxxvi	ii xii	ō xlvi xlvii
ō xiii	xi xvii	iiii v li	v vi	ii xxix	v vii xxxvii	ii xi	ō l xxxvii
ō xiiii	xi xvi	iiii v xl	v xxix	ii xli	v vii xxxviii	ii xi	ō liiii xxvi
ō xv	xi xv	iiii v xxviii	v liii	ii liii	v vii xl	ii xi	ō lviii xiiii
ō xvi	xi xiiii	iiii v xvi	vi xvi	iii iii	v vii xlii	ii xi	i ii i
ō xvii	xi xiii	iiii v v	vi xxxix	iii xiiii	v vii xliiii	ii xi	i v xlvii
ō xviii	xi xii	iiii iiii liii	vii iii	iii xxv	v vii xlvi	ii x	i ix xxxii
ō xix	xi xi	iiii iiii xli	vii xxvi	iii xxxvi	v vii xlvii	ii x	i xiii xv
ō xx	xi x	iiii iiii xxx	vii xlix	iii xlvii	v vii xlix	ii x	i xvi lvii
ō xxi	xi ix	iiii iiii xviii	viii xiii	iii lviii	v vii li	ii x	i xx xxxviii
ō xxii	xi viii	iiii iiii vi	viii xxxvi	iiii ix	v vii lii	ii x	i xxiiii xvii
ō xxiii	xi vii	iiii iii lv	viii lix	iiii xx	v vii liiii	ii x	i xxvii lv
ō xxiiii	xi vi	iiii iii xliii	ix xxii	iiii xxxi	v vii lvi	ii x	i xxxi xxxi
ō xxv	xi v	iiii iii xxxi	ix xlv	iiii xlii	v viii ō	ii x	i xxxv v
ō xxvi	xi iiii	iiii iii xix	x ix	iiii lii	v viii iii	ii x	i xxxviii xxxviii
ō xxvii	xi iii	iiii iii viii	x xxxii	v iii	v viii vi	ii ix	i xlii ix
ō xxviii	xi ii	iiii ii lvii	x lv	v xiiii	v viii ix	ii ix	i xlv xxviii
ō xxix	xi i	iiii ii xlv	xi xviii	v xxv	v viii xii	ii ix	i xlix v
ō o	xi ō	iiii ii xxxiii	xi xli	v xxxv	v viii xv	ii ix	i lii xxx

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SIGNA	GRADUS	SIGNA	GRADUS	SIGNA	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	SIGNA	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	MINUTE II.
i	i	x	xxix	iiii	ii	xxii	xii	v	v	xliiii	v	viii	xviii	ii	viii	i	lv	liii
i	ii	x	xxviii	iiii	ii	x	xii	xxviii	v	liii	v	viii	xxi	ii	viii	i	lix	xviiii
i	iii	x	xxvii	iiii	i	lix	xii	li	vi	iii	v	viii	xxiiii	ii	viii	ii	ii	xxxiii
i	iiii	x	xxvi	iiii	i	xlvii	xiii	xiiii	vi	xii	v	viii	xxvii	ii	vii	ii	v	xxx
i	v	x	xxv	iiii	i	xxxvi	xiii	xxxvii	vi	xxii	v	viii	xxx	ii	vii	ii	ix	iii
i	vi	x	xxiiii	iiii	i	xxiiii	xiiii	ō	vi	xxxi	v	viii	xxxiii	ii	vii	ii	xii	xv
i	vii	x	xxiii	iiii	i	xiii	xiiii	xxiii	vi	xl	v	viii	xxxvii	ii	vi	ii	xv	xviiii
i	viii	x	xxii	iiii	i	i	xiiii	xlvi	vi	l	v	viii	xli	ii	vi	ii	xviii	xxi
i	ix	x	xxi	iiii	ō	l	xv	ix	vi	lix	v	viii	xlv	ii	vi	ii	xxi	xxxvi
i	x	x	xx	iiii	ō	xxxviii	xv	xxxii	vii	ix	v	viii	xlix	ii	v	ii	xxiiii	xxxviii
i	xi	x	xix	iiii	ō	xxvii	xv	lv	vii	xviii	v	viii	liii	ii	v	ii	xxvii	xxxvii
i	xii	x	xviii	iiii	ō	xv	xvi	xviii	vii	xxvii	v	viii	lvii	ii	v	ii	xxx	xxxiii
i	xiii	x	xvii	iiii	ō	iiii	xvi	xli	vii	xxxvii	v	ix	ii	ii	iiii	ii	xxxiii	xxvii
i	xiiii	x	xvi	iiii	xxix	lii	xvii	iiii	vii	xlvi	v	ix	v	ii	iiii	ii	xxxvi	xviii
i	xv	x	xv	iiii	xxix	xli	xvii	xxvii	vii	lvi	v	ix	ix	ii	iiii	ii	xxxix	vi
i	xvi	x	xiiii	iiii	xxix	xxx	xvii	xlix	viii	iii	v	ix	xiii	ii	iii	ii	xli	li
i	xvii	x	xiii	iiii	xxix	xviii	xviii	xii	viii	x	v	ix	xvii	ii	iii	ii	xliiii	xxxiii
i	xviii	x	xii	iiii	xxix	vii	xviii	xxxv	viii	xvii	v	ix	xxi	ii	iii	ii	xlvii	xii
i	xix	x	xi	iiii	xxviii	lvi	xviii	lvii	viii	xxiiii	v	ix	xxvi	ii	ii	ii	xlix	xlix
i	xx	x	x	iiii	xxviii	xliiii	xix	xx	viii	xxxi	v	ix	xxxi	ii	ii	ii	lii	xxii
i	xxi	x	ix	iiii	xxviii	xxxiii	xix	xliii	viii	xxxviii	v	ix	xxxvi	ii	i	ii	liiii	li
i	xxii	x	viii	iiii	xxviii	xxii	xx	v	viii	xlv	v	ix	xli	ii	i	ii	lvii	xviii
i	xxiii	x	vii	iiii	xxviii	xi	xx	xxvii	viii	lii	v	ix	xlvi	ii	ō	ii	lix	xli
i	xxiiii	x	vi	iiii	xxvii	lix	xx	l	viii	lix	v	ix	li	ii	ō	iii	ii	ii
i	xxv	x	v	iiii	xxvii	xlviii	xxi	xii	ix	vi	v	ix	lvi	i	lix	iii	iiii	xxix
i	xxvi	x	iiii	iiii	xxvii	xxxvii	xxi	xxxiiii	ix	xiii	v	x	i	i	lix	iii	vi	xxxii
i	xxvii	x	iii	iiii	xxvii	xxvi	xxi	lvi	ix	xx	v	x	vi	i	lviii	iii	viii	xlii
i	xxviii	x	ii	iiii	xxvii	xv	xxii	xviii	ix	xxvii	v	x	xi	i	lvii	iii	x	xlix
i	xxix	x	i	iiii	xxvii	iiii	xxii	xl	ix	xxxiiii	v	x	xv	i	lvi	iii	xii	lii
i	ō	x	ō	iiii	xxvi	liii	xxiii	ii	ix	xli	v	x	xxi	i	lv	iii	xiiii	li

SIG GRA NA DVS	SIG GRA NA DVS	SIG GRA MINV NA DVS T E.	GRA MINV DVS T E	SIG GRA NA DVS	SIG GRA MINV NA DVS T E.	GRA MINV DVS T E.	GRA MINV DVS T E.	MINV T I E.
ii i	ix xxix	iii xxvi xliii	xxiii xxiii	ix xlvi	v x xxvii	i lv	iii xxi	xlvii
ii ii	ix xxviii	iii xxvi xxxiii	xxiii xlv	ix li	v x xxxiii	i liiii	iii xviii	xl
ii iii	ix xxvii	iii xxvi xxi	xxiiii vi	ix lv	v x xxxix	i liii	iii xx	xxix
ii iiii	ix xxvi	iii xxvi x	xxiiii xxviii	x o	v x xliiii	i liii	iii xxii	xiii
ii v	ix xxv	iii xxvi o	xxiiii xlviii	x iiii	v x l	i lii	iii xxiii	lv
ii vi	ix xxiiii	iii xxv l	xxv ix	x ix	v x lvi	i lii	iii xxv	xxxiii
ii vii	ix xxiii	iii xxv xxxix	xxv xxxi	x xiii	v xi ii	i li	iii xxvii	vii
ii viii	ix xxii	iii xxv xxviii	xxv lii	x xviii	v xi viii	i li	iii xxviii	xxxvii
ii ix	ix xxi	iii xxv xviii	xxvi xiii	x xxii	v xi xiiii	i l	iii xxx	iii
ii x	ix xx	iii xxv viii	xxvi xxxiiii	x xxvii	v xi xix	i l	iii xxxi	xxvi
ii xi	ix xix	iii xxiiii lvii	xxvi liiii	x xxxi	v xi xxv	i xlix	iii xxxii	xlv
ii xii	ix xviii	iii xxiiii xlvii	xxvii xv	x xxxvi	v xi xxxi	i xlix	iii xxxiii	xlix
ii xiii	ix xvii	iii xxiiii xxxvii	xxvii xxxv	x xl	v xi xxxvii	i xlviii	iii xxxv	x
ii xiiii	ix xvi	iii xxiiii xxvi	xxvii lvi	x xlv	v xi xliii	i xlviii	iii xxxvi	xvii
ii xv	ix xv	iii xxiiii xvi	xxviii xvi	x xlviii	v xi l	i xlvii	iii xxxvii	xx
ii xvi	ix xiiii	iii xxiiii vi	xxviii xxxvi	x li	v xi lvi	i xlvii	iii xxxviii	xix
ii xvii	ix xiii	iii xxiii lvi	xxviii lvi	x liiii	v xii ii	i xlvi	iii xxxix	xiiii
ii xviii	ix xii	iii xxiii xlvi	xxix xvi	x lvi	v xii ix	i xlv	iii xl	v
ii xix	ix xi	iii xxiii xxxvii	xxix xxxv	x lix	v xii xv	i xliiii	iii xl	lii
ii xx	ix x	iii xxiii xxvii	xxix lv	xi i	v xii xxi	i xliiii	iii xli	xxxv
ii xxi	ix ix	iii xxiii xvii	xxx xiiii	xi iii	v xii xxviii	i xliii	iii xlii	xiiii
ii xxii	ix viii	iii xxiii vii	xxx xxxiiii	xi v	v xii xxxiiii	i xlii	iii xlii	xlix
ii xxiii	ix vii	iii xxii lviii	xxx liii	xi vi	v xii xl	i xlii	iii xliii	xix
ii xxiiii	ix vi	iii xxii xlviii	xxxi xii	xi vii	v xii xlvii	i xli	iii xliii	xlvi
ii xxv	ix v	iii xxii xxxix	xxxi xxxi	xi viii	v xii liii	i xl	iii xliiii	ix
ii xxvi	ix iiii	iii xxii xxix	xxxi l	xi ix	v xii lix	i xxxix	iii xliiii	xxvii
ii xxvii	ix iii	iii xxii xx	xxxii viii	xi x	v xii vi	i xxxix	iii xliiii	xli
ii xxviii	ix ii	iii xxii xi	xxxii xxvii	xi xi	v xii xii	i xxxviii	iii xliiii	lii
ii xxix	ix i	iii xxii li	xxxii xlv	xi ii	v xii xviii	i xxxvii	iii xliiii	lviii
ii o	ix o	iii xxi lii	xxxiii iii	xi xiii	v xii xxv	i xxxvi	iii xlv	o

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sig gra na dus	sig gra na dus	sig gra minu na dus te	gra minu dus te	gra minu dus te	sig gra minu na dus te	gra minu dus te	gra minu minu dus te tie
iii i	viii xxix	iii xxi xliiii	xxiii xxi	xi xii	v xiii xxxi	i xxxv	iii xliiii lviii
iii ii	viii xxviii	iii xxi xxxv	xxiii xxix	xi xi	v xiii xxxvi	i xxxiiii	iii xliiii lii
iii iii	viii xxvii	iii xxi xxvi	xxiii lvi	xi x	v xiii xli	i xxxiii	iii xliiii xli
iii iiii	viii xxvi	iii xxi xvii	xxiiii xiiii	xi ix	v xiii xlvi	i xxxii	iii xliiii xxviii
iii v	viii xxv	iii xxi ix	xxiiii xxxi	xi viii	v xiii li	i xxxi	iii xliiii ix
iii vi	viii xxiiii	iii xxi o	xxiiii xlviii	xi vii	v xiii lvi	i xxx	iii xliii xlvi
iii vii	viii xxiii	iii xx li	xxv iiii	xi vi	v xiiii iii	i xxx	iii xliii xix
iii viii	viii xxii	iii xx xliiii	xxv xxi	xi v	v xiiii viii	i xxix	iii xlii xlix
iii ix	viii xxi	iii xx xxxvi	xxv xxxvii	x iii	v xiiii xiiii	i xxviii	iii xlii xiiii
iii x	viii xx	iii xx xxviii	xxv liii	x i	v xiiii xx	i xxvii	iii xli xxxv
iii xi	viii xix	iii xx xx	xxvi viii	x lix	v xiiii xxv	i xxvi	iii xl lii
iii xii	viii xviii	iii xx xiii	xxvi xxiii	x lvi	v xiiii xxxviii	i xxvi	iii xl v
iii xiii	viii xvii	iii xx v	xxvi xxxviii	x liiii	v xiiii xxxvi	i xxv	iii xxxix xiiii
iii xiiii	viii xvi	iii xix lviii	xxvi liii	x li	v xiiii xlii	i xxiiii	iii xxxviii xix
iii xv	viii xv	iii xix l	xxvii viii	x xlviii	v xiiii xlviii	i xxiii	iii xxxvii xx
iii xvi	viii xiiii	iii xix xliiii	xxvii xxviii	x xlv	v xiiii liii	i xxii	iii xxxvi xvii
iii xvii	viii xiii	iii xix xxxvii	xxvii xxxiiii	x xl	v xiiii lix	i xxi	iii xxxv x
iii xviii	viii xii	iii xix xxxi	xxvii xlvii	x xxxvi	v xv v	i xx	iii xxxiiii lix
iii xix	viii xi	iii xix xxiiii	xxviii o	x xxxi	v xv xi	i xix	iii xxxiii xlv
iii xx	viii x	iii xix xviii	xxviii xii	x xxvii	v xv xvii	i xix	iii xxxi xxvi
iii xxi	viii ix	iii xix xvi	xxviii xxiiii	x xxii	v xv xxii	i xviii	iii xxx iii
iii xxii	viii viii	iii xviii vi	xxviii xxxvi	x xviii	v xv xxviii	i xvii	iii xxviii xxxvi
iii xxiii	viii vii	iii xviii i	xxviii xlvii	x xiiii	v xv xxxiii	i xvi	iii xxvii vii
iii xxiiii	viii vi	iii xviii lvi	xxviii lvii	x ix	v xv xxxix	i xv	iii xxv xxxiii
iii xxv	viii v	iii xviii li	xxix vii	x iiii	v xv xliiii	i xv	iii xxiii lv
iii xxvi	viii iiii	iii xviii xlvi	xxix xvii	x o	v xv xlix	i xiiii	iii xxii xiii
iii xxvii	viii iii	iii xviii xli	xxix xxvi	ix lv	v xv lv	i xiii	iii xx xxix
iii xxviii	viii ii	iii xviii xxxvii	xxix xxxiiii	ix li	v xvi o	i xii	i xviii xlix
iii xxix	viii i	iii xviii xxxiii	xxix xliii	ix xlvi	v xvi v	i xi	iii xvi xlvi
iii o	viii o	iii xviii xxix	xxix li	ix xlii	v xvi xi	i x	iii xiiii li

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SIG GRA NA DUS	SIG GRA NA DUS	SIG GRA MINV NA DUS TE	GRA MINV DUS TE	GRA MINV DUS TE	SIG GRA MINV NA DUS TE	GRA MINV DUS TE	GRA MINV DUS TE.	MINV TE.
iiii i	vii xxix	iii xviii xxiiii	xl o	ix xxiiii	v xvi xvi	i ix	iii xii	lii
iiii ii	vii xxviii	iii xviii xx	xl ix	ix xxvi	v xvi xxi	i viii	iii x	xlix
iiii iii	vii xxvii	iii xviii xvi	xl xvi	ix xx	v xvi xxvi	i vii	iii viii	xlii
iiii iiii	vii xxvi	iii xviii xiii	xl xxi	ix xiii	v xvi xxxi	i vi	iii vi	xxxii
iiii v	vii xxv	iii xviii xi	xl xxvi	ix vi	v xvi xxxvi	i vi	iii iii	xix
iiii vi	vii xxiiii	iii xviii x	xl xxix	viii lix	v xvi xli	i v	iii ii	iii
iiii vii	vii xxiii	iii xviii ix	xl xxx	viii lii	v xvi xlvi	i iiii	ii lix	xli
iiii viii	vii xxii	iii xviii ix	xl xxxi	viii xlv	v xvi li	i iii	ii lvii	xviii
iiii ix	vii xxi	iii xviii ix	xl xxxi	viii xxxviii	v xvi lvi	i ii	ii liiii	li
iiii x	vii xx	iii xviii ix	xl xxx	viii xxxi	v xvii i	i i	ii lii	xxii
iiii xi	vii xix	iii xviii x	xl xxix	viii xxiiii	v xvii vi	i o	ii xlix	xlix
iiii xii	vii xviii	iii xviii x	xl xxviii	viii xvii	v xvii xi	o lix	ii xlvii	xii
iiii xiii	vii xvii	iii xviii xi	xl xxvi	viii x	v xvii xvi	o lix	ii xliiii	xiii
iiii xiiii	vii xvi	iii xviii xii	xl xxiiii	viii iii	v xvii xix	o lviii	ii xli	li
iiii xv	vii xv	iii xviii xiii	xl xxiii	viii lvi	v xvii xxiiii	o lviii	ii xxxix	vi
iiii xvi	vii xiiii	iii xviii xv	xl xviii	viii xlvi	v xvii xxviii	o lvi	ii xxxvi	xviii
iiii xvii	vii xiii	iii xviii xviii	xl xiii	viii xxxvii	v xvii xxxii	o lv	ii xxxiii	xvii
iiii xviii	vii xii	iii xviii xxii	xl v	viii xxviii	v xvii xxxvii	o liiii	ii xxx	xxxiii
iiii xix	vii xi	iii xviii xxvi	xxxix lvi	viii xviii	v xvii xli	o liii	ii xxvii	xxxvii
iiii xx	vii x	iii xviii xxxi	xxxix xlvi	vii ix	v xvii xlv	o lii	ii xxiiii	xxxviii
iiii xxi	vii ix	iii xviii xxxviii	xxxix xxxiiii	vi lix	v xvii xlix	o li	ii xxi	xxxvi
iiii xxii	vii viii	iii xviii xlv	xxxix xix	vi l	v xvii liii	o l	ii xviii	xxxviii
iiii xxiii	vii vii	iii xviii lii	xxxix v	vi xl	v xvii lvii	o l	ii xv	xxxiii
iiii xxiiii	vii vi	iii xviii o	xxxviii xlix	vi xxxi	v xviii i	o xlix	ii xii	xv
iiii xxv	vii v	iii xviii ix	xxxviii xxxi	vi xxii	v xviii iiii	o xlviii	ii ix	iii
iiii xxvi	vii iiii	iii xviii xix	xxxviii x	vi xiii	v xviii viii	o xlvii	ii v	xlix
iiii xxvii	vii iii	iii xviii xxxi	xxxvii xlvii	vi iii	v xviii xi	o xlvi	ii ii	xxxiii
iiii xxviii	vii ii	iii xviii xliii	xxxvii xxii	v iii	v xviii xiiii	o xlv	i lix	lv
iiii xxix	vii i	iii xviii lvii	xxxvi liiii	v xliiii	v xviii xviii	o xlv	i lv	liii
iiii o	vii o	iii xviii xii	xxxvi xxiiii	v xxxv	v xviii xxi	o xliiii	i lii	xxx

Sig GRA NA DVS	Sig GRA NA DVS	Sig GRA anno NA DV TE	GRA anni DVS TE	GRA anni DVS TE	Sig GRA anno NA DVS TE	GRA anni DVS VTE	GRA anni DVS TE anni TI E.
v i	vi xxix	iii xx xxviii	xxxv liii	v xxv	v. xviii xxiiii	ó xliii	i xlix v
v ii	vi xxviii	iii xx xliiii	xxxv xx	v xxiiii	v xviii xxviii	ó xlii	i xlv xxxviii
v iii	vi xxvii	iii xxi ii	xxxiiii xlv	v iiii	v xviii xxxi	ó xli	i xlii ix
v iiii	vi xxvi	iii xxi xxi	xxxiiii vii	iiii liii	v xviii xxxiiii	ó xli	i xxxviii xxxviii
v v	vi xxv	iii xxi xli	xxxiii xxvi	iiii xliii	v xviii xxxviii	ó xl	i xxxv v
v vi	vi xxiiii	iii xxii iii	xxxii xlii	iiii xxxii	v xviii xli	ó xxxix	i xxxi xxxi
v vii	vi xxiii	iii xxii xxvi	xxxi lvi	iiii xxi	v xviii xlv	ó xxxviii	i xxvii lv
v viii	vi xxii	iii xxii l	xxxi viii	iiii xi	v xviii xlvi	ó xxxviii	i xxiiii xvii
v ix	vi xxi	iii xxiii xvi	xxx xvi	iiii ó	v xviii xlviii	ó xxxvii	i xx xxxviii
v x	vi xx	iii xxiii xliiii	xxix xxi	iii l	v xviii xlix	ó xxxvi	i xvi lvii
v xi	vi xix	iii xxiiii xiii	xxviii xxiii	iii xxxix	v xviii l	ó xxxvi	i xiii xxxv
v xii	vi xviii	iii xxiiii xliii	xxvii xxii	iii xxviii	v xviii liii	ó xxxv	i ix xxxii
v xiii	vi xvii	iii xxv xv	xxvi xviii	iii xviii	v xviii lv	ó xxxiiii	i v xlvii
v xiiii	vi xvi	iii xxv xlviii	xxv xii	iii vii	v xviii lvii	ó xxxiiii	i ii i
v xv	vi xv	iii xxvi xxiii	xxiiii ii	ii liii	v xviii lix	ó xxxiii	ó lviii xiii
v xvi	vi xiiii	iii xxvii i	xxiii xlvi	ii xli	v xix i	ó xxxii	ó liiii xxvi
v xvii	vi xiii	iii xxvii xli	xxii xxvii	ii xxix	v xix iii	ó xxxii	ó l xxxvii
v xviii	vi xii	iii xxviii xxi	xx vii	ii xviii	v xix v	ó xxxi	ó xlvi xlvii
v xix	vi xi	iii xxix iii	xviii xlii	ii vi	v xix vi	ó xxxi	ó xlii lvi
v xx	vi x	iii xxix xlvii	xvii xv	i lv	v xix vii	ó xxx	ó xxxix iiii
v xxi	vi ix	iii ó xxxii	xv xlv	i xliii	v xix viii	ó xxx	ó xxxv xii
v xxii	vi viii	iii i xviii	xiiii xii	i xxxii	v xix ix	ó xxix	ó xxxi xix
v xxiii	vi vii	iii ii vi	xii xxxvi	i xx	v xix x	ó xxix	ó xxvii xxv
v xxiiii	vi vi	iii ii lvi	x lvi	i ix	v xix xi	ó xxix	ó xxiii xxxi
v xxv	vi v	iii iii xlviii	ix xiii	ó lvii	v xix xii	ó xxviii	ó xix xxxvii
v xxvi	vi iiii	iii iiii xl	vii xxviii	ó xlvi	v xix xiii	ó xxviii	ó xv xlii
v xxvii	vi iii	iii v xxxiiii	v xl	ó xxxiiii	v xix xiii	ó xxviii	ó xi xlvii
v xxviii	vi ii	iii vi xxx	iii xlix	ó xxiii	v xix xiiii	ó xxvii	ó vii li
v xxix	vi i	iii vii xxvi	i lvi	ó xi	v xix xiiii	ó xxvii	ó iii lvi
v ó	vi ó	iii viii xxiiii	ó ó	ó ó	v xix xv	ó xxvii	ó ó ó

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sig gra na dus	sig gra na dus	sig gra annu na dus te	gra annu dus te	gra annu dus te	sig gra annu na dus te	gra annu dus te	gra annu dus te	annu te
o i	xi xxix	ii xxi iii	o xxv	o ii	v xxv li	ii xxiiii	o v	xvi
o ii	xi xxviii	ii xx l	o li	o iiii	v xxv li	ii xxiii	o x	xxviii
o iii	xi xxvii	ii xx xxxvii	i xvi	o vii	v xxv li	ii xxiii	o xv	xlii
o iiii	xi xxvi	ii xx xxv	i xli	o ix	v xxv lii	ii xxii	o xx	lvii
o v	xi xxv	ii xx xii	ii vii	o xi	v xxv lii	ii xxii	o xxvi	ix
o vi	xi xxiiii	ii xix lix	ii xxxii	o xiiii	v xxv lii	ii xxii	o xxxi	xxi
o vii	xi xxiii	ii xix xlvi	ii lviii	o xvi	v xxv liii	ii xxi	o xxxvi	xxxiiii
o viii	xi xxii	ii xix xxxiiii	iii xxiii	o xviii	v xxv liii	ii xxi	o xli	xlv
o ix	xi xxi	ii xix xxi	iii xlix	o xxi	v xxv liii	ii xxi	o xlvi	lvi
o x	xi xx	ii xix viii	iiii xiiii	o xxiii	v xxv liiii	ii xxi	o lii	vi
o xi	xi xix	ii xviii lvi	iiii xxxix	o xxv	v xxv liiii	ii xxi	o lvii	xv
o xii	xi xviii	ii xviii xliii	v v	o xxviii	v xxv liiii	ii xxi	i ii	xxii
o xiii	xi xvii	ii xviii xxx	v xxx	o xxx	v xxv lv	ii xxi	i vii	xxix
o xiiii	xi xvi	ii xviii xviii	v lv	o xxxii	v xxv lv	ii xxi	i xii	xxxv
o xv	xi xv	ii xvii v	vi xxi	o xxxv	v xxv lv	ii xx	i xvii	xxxix
o xvi	xi xiiii	ii xvii lii	vi xlvi	o xxxvi	v xxv lvi	ii xx	i xxii	xli
o xvii	xi xiii	ii xvii xl	vii xi	o xxxix	v xxv lvi	ii xx	i xxvii	xliii
o xviii	xi xii	ii xvii xxvii	vii xxxvi	o xli	v xxv lvii	ii xx	i xxxii	xliii
o xix	xi xi	ii xvii xv	viii l	o xliii	v xxv lvii	ii xix	i xxxvii	xl
o xx	xi x	ii xvii iii	viii xxvii	o xlv	v xxv lvii	ii xix	i xlii	xxxvi
o xxi	xi ix	ii xvi l	viii lii	o xlvii	v xxv lviii	ii xix	i xlvii	xxxi
o xxii	xi viii	ii xvi xxxvii	ix xvii	o xlix	v xxv lviii	ii xix	i lii	xxiii
o xxiii	xi vii	ii xvi xxiiii	ix xlii	o li	v xxv lviii	ii xviii	i lvii	xiii
o xxiiii	xi vi	ii xvi xi	x viii	o liii	v xxv lix	ii xviii	ii ii	i
o xxv	xi v	ii xv lix	x xxxiii	o lvi	v xxv lix	ii xviii	ii vi	xlvii
o xxvi	xi iiii	ii xv xlvii	x lviii	o lviii	v xxv lix	ii xviii	ii xi	xxxi
o xxvii	xi iii	ii xv xxxiiii	xi xxiii	o o	v xxvi o	ii xvii	ii xvi	xii
o xxviii	xi ii	ii xv xxii	xi xlviii	o ii	v xxvi o	ii xvii	ii xx	l
o xxix	xi i	ii xv ix	xii xiii	o iiii	v xxvi i	ii xvii	ii xxv	xxvii
o o	xi o	ii xiiii lvi	xii xxxviii	o vii	v xxvi ii	ii xvii	ii xxx	o

sig gra	sig gra	sig gra minu	gra minu	gra minu	sig gra minu	gra minu	sig minu minute
ra dus	ra dus	ra dus t e	dus t e	dus t e	ra dus t e	dus t e	ra t e. t i e
i i	x xxix	ii xiiii xliiii	xiiii ii	i viii	v xvi ii	ii xvii	ii xxxiiii xxxi
i ii	x xxviii	ii xiiii xxxii	xiiii xxvii	i vii	v xvi iii	ii xvii	ii xxxviii lix
i iii	x xxvii	ii xiiii xix	xiiii lii	i xii	v xvi iiii	ii xvi	ii xlii xxiii
i iiii	x xxvi	ii xiiii vii	xiiii xvii	i xiiii	v xvi iiii	ii xvi	ii xlvii xlv
i v	x xxv	ii xiii liiii	xiiii xlii	i xvi	v xvi v	ii xvi	ii lii iiii
i vi	x xxiiii	ii xiii xlii	xv vii	i xviii	v xvi vi	ii xv	ii lvi xx
i vii	x xxiii	ii xiii xxix	xv xxxii	i xx	v xvi vi	ii xv	iii ō xxxii
i viii	x xxii	ii xiii xvii	xv lvii	i xxi	v xvi vii	ii xiiii	iii iiii xlii
i ix	x xxi	ii xiii v	xvi xxii	i xxiii	v xvi viii	ii xiiii	iii viii xlviii
i x	x xx	ii xii lii	xvi xlvii	i xxv	v xvi ix	ii xiiii	iii xii l
i xi	x xix	ii xii xl	xvii xii	i xxvii	v xvi x	ii xiii	iii xvi xlix
i xii	x xviii	ii xii xxvii	xvii xxxvi	i xxix	v xvi xi	ii xiii	iii xx xliiii
i xiii	x xvii	ii xii xv	xviii i	i xxxi	v xvi xii	ii xii	iii xxiiii xxxvi
i xiiii	x xvi	ii xii ii	xviii xxvi	i xxxiii	v xvi xiii	ii xii	iii xxviii xxiiii
i xv	x xv	ii xi l	xviii li	i xxxv	v xvi xiiii	ii xi	iii xxxii viii
i xvi	x xiiii	ii xi xxxviii	xix xv	i xxxvi	v xvi xv	ii xi	iii xxxv xlviii
i xvii	x xiii	ii xi xxv	xix xl	i xxxviii	v xvi xvi	ii x	iii xxxix xxiiii
i xviii	x xii	ii xi xiii	xx iii	i xxxix	v xvi xvii	ii x	iii xlii lvii
i xix	x xi	ii xi i	xx xxix	i xl	v xvi xviii	ii ix	iii xlvi xxv
i xx	x x	ii x xlix	xx liii	i xlii	v xvi xix	ii ix	iii xlix xlix
i xxi	x ix	ii x xxxvi	xxi xviii	i xliii	v xvi xx	ii viii	iii liii ix
i xxii	x viii	ii x xxiiii	xxi xlii	i xliiii	v xvi xxi	ii viii	iii lvi xxiiii
i xxiii	x vii	ii x xii	xxii vii	i xlvi	v xvi xxii	ii vii	iii lix xxxv
i xxiiii	x vi	ii x ō	xxii xxxi	i xlvii	v xvi xxiii	ii vii	iiii ii xlii
i xxv	x v	ii ix xlvii	xxii lvi	i xlix	v xvi xxiiii	ii vi	iiii v xlv
i xxvi	x iiii	ii ix xxxv	xxiii xx	i l	v xvi xxv	ii vi	iiii viii xliii
i xxvii	x iii	ii ix xxiii	xxiii xliiii	i li	v xvi xxvii	ii v	iiii xi xxxvi
i xxviii	x ii	ii ix xi	xxiiii viii	i liii	v xvi xxviii	ii iiii	iiii xiiii xxv
i xxix	x i	ii ix lix	xxiiii xxxii	i liiii	v xvi xxix	ii iiii	iiii xvii ix
i ō	x ō	ii ix xlvii	xxiiii lvi	i lvi	v xvi xxx	ii iiii	iiii xix xlviii

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SIG GRA	SIG GRA	SIG GRA MINV	GRA MINV	GRA MINV	SIG GRA MINV	GRA MINV	GRA MINV MINV
NA DVS	NA DVS	NA DVS TE	DVS TE	DVS TE	NA DVS TE	DVS TE	DVS TE TE.
ii i	ix xxix	ii viii xxxv	xxv xx	i lvi	v xvii xxi	ii iii	iiii xxii xxiii
ii ii	ix xxviii.	ii viii xxiii	xxv xliii	i lvii	v xvii xxii	ii ii	iiii xxiiii liii
ii iii	ix xxvii	ii viii xi	xxvi vii	i lviii	v xvii xxiii	ii i	iiii xxvii xviii
ii iiii	ix xxvi	ii vii lix	xxvi xxxii	i lix	v xvii xxiiii	ii i	iiii xxix xxxviii
ii v	ix xxv	ii vii xlvii	xxvi lvi	ii ō	v xvii xxv	ii ō	iiii xxxi xiii
ii vi	ix xxiiii	ii vii xxxvi	xxvii xix	ii i	v xvii xxvi	i lix.	iiii xxxiiii iiii
ii vii	ix xxiii	ii vii xxiiii	xxvii xliii	ii ii	v xvii xxvii	i lix	iiii xxxvi ix
ii viii	ix xxii	ii vii xii	xxviii vi	ii iii	v xvii xxviii	i lviii	iiii xxxviii ix
ii ix	ix xxi	ii vii ō	xxviii xxx	ii iiii	v xvii xxix	i lvii	iiii xl iiii
ii x	ix xx	ii vi xlix	xxviii liii	ii v	v xvii xl	i lvi	iiii xli liiii
ii xi	ix xix	ii vi xxxvii	xxix xvi	ii vi	v xvi xli	i lvi	iiii xliii xxxix
ii xii	ix xviii	ii vi xxvi	xxix xxxix	ii vii	v xvi xliii	i lv	iiii xlv xix
ii xiii	ix xvii	ii vi xiiii	xxx ii	ii viii	v xvi xliiii	i lv	iiii xlvi xiii
ii xiiii	ix xvi	ii vi ii	xxx xxvi	ii viii	v xvi xlvii	i liiii	iiii xlviii xxiii
ii xv	ix xv	ii v li	xxx xlix	ii ix	v xvi xlix	i liii	iiii xlix xlvii
ii xvi	ix xiiii	ii v xl	xxxi xi	ii ix	v xvi L	i lii	iiii li v
ii xvii	ix xiii	ii v xxviii	xxxi xxxiiii	ii ix	v xvi lii	i lii	iiii lii xix
ii xviii	ix xii	ii v xvii	xxxi lvii	ii x	v xvi liii	i li	iiii liii xxviii
ii xix	ix xi	ii v vi	xxxii xix	ii x	v xvi liiii	i L	iiii liiii xxix
ii xx	ix x	ii iiii liiii	xxxii xlii	ii x	v xvi lvi	i xlix	iiii lv xxvi.
ii xxi	ix ix	ii iiii xliii	xxxiii iiii	ii xi	v xvi lviii	i xlix	iiii lvi xviii
ii xxii	ix viii	ii iiii xxxii	xxxiii xxvi	ii xi	v xvi lix	i xlviii	iiii lvii v
ii xxiii	ix vii	ii iiii xxi	xxxiii xlix	ii xi	v xvii ō	i xlvii	iiii lvii xlvi
ii xxiiii	ix vi	ii iii x	xxxiiii x	ii xii	v xvii ii	i xlvi	iiii lviii xxi
ii xxv	ix v	ii iii lix	xxxiiii xxxii	ii xii	v xvii iii	i xlv	iiii lviii li
ii xxvi	ix iiii	ii iii xlviii	xxxiiii liiii	ii xii	v xvii v	i xlv	iiii lix xvi
ii xxvii	ix iii	ii iii xxxviii	xxxv xv	ii xiii	v xvii vii	i xliiii	iiii lix xlv
ii xxviii	ix ii	ii iii xxvii	xxxv xxxvi	ii xiii	v xvii viii	i xliii	iiii lix xxxix
ii xxix	ix i	ii iii xvi	xxxv lviii	ii xiii	v xvii x	i xlii	iiii lix lvii
ii ō	ix ō	ii iii vi	xxxvi xix	ii xiiii	v xvii xii	i xli	v ō ō

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SIG GRA · NA DUS	SIG GRA NA DUS	SIG GRA MINV NA DUS TE	GRA MINV DUS TE	GRA MINV DUS TE	SIG GRA MINV NA DUS TE	GRA MINV DUS TE	GRA MINV MINV DUS TE. TIE
iii i	viii xxix	ii ii lvi	xxxvi xxxix	ii xiiii	v xvii xii	i xl	iiii lix lvii
iii ii	viii xxviii	ii ii xlv	xxxvii o	ii xiii	v xvii xiii	i xl	iiii lix xlix
iii iii	viii xxvii	ii ii xxxv	xxxvii xx	ii xiii	v xvii xiiii	i xxxix	iiii lix xxxv
iii iiii	viii xxvi	ii ii xxv	xxxvii xl	ii xii	v xvii xv	i xxxviii	iiii lix xvi
iii v	viii xxv	ii ii xv	xxxviii o	ii xii	v xvii xvi	i xxxvii	iiii lviii li
iii vi	viii xxiiii	ii ii v	xxxviii xx	ii xii	v xvii xvii	i xxxvi	iiii lviii xxi
iii vii	viii xxiii	ii i lv	xxxviii xl	ii xi	v xvii xviii	i xxxv	iiii lvii xlvi
iii viii	viii xxii	ii i xlv	xxxviii lix	ii xi	v xvii xix	i xxxiiii	iiii lvii v
iii ix	viii xxi	ii i xxxvi	xxxix xviii	ii xi	v xvii xx	i xxxiii	iiii lvi xviii
iii x	viii xx	ii i xxvii	xxxix xxxvii	ii x	v xvii xxi	i xxxiii	iiii lv xxvi
iii xi	viii xix	ii i xvii	xxxix lvi	ii x	v xvii xxii	i xxxii	iiii liiii xxix
iii xii	viii xviii	ii i viii	xl xv	ii x	v xvii xxiiii	i xxxi	iiii liii xxvii
iii xiii	viii xvii	ii o lix	xl xxxiii	ii ix	v xvii xxv	i xxx	iiii lii xix
iii xiiii	viii xvi	ii o l	xl li	ii ix	v xvii xxvi	i xxix	iiii li v
iii xv	viii xv	ii o xli	xli x	ii ix	v xvii xxvii	i xxviii	iiii xlix xlvi
iii xvi	viii xiiii	ii o xxxii	xli xxviii	ii viii	v xvii xxviii	i xxvii	iiii xlviii xxiii
iii xvii	viii xiii	ii o xxiii	xli xlv	ii viii	v xvii xxix	i xxvi	iiii xlvi liii
iii xviii	viii xii	ii o xiii	xlii iii	ii vii	v xvii xxx	i xxv	iiii xlv xix
iii xix	viii xi	ii o v	xlii xx	ii vi	v xvii xxxi	i xxiiii	iiii xliii xxxix
iii xx	viii x	i xxix lvii	xlii xxxvii	ii v	v xvii xxxiii	i xxiii	iiii xli liiii
iii xxi	viii ix	i xxix xlix	xlii liii	ii iiii	v xvii xxxiiii	i xxii	iiii xl iiii
iii xxii	viii viii	i xxix xli	xliii ix	ii iii	v xvii xxxvi	i xxi	iiii xxxviii ix
iii xxiii	viii vii	i xxix xxxiii	xliii xxv	ii ii	v xvii xxxvii	i xx	iiii xxxvi ix
iii xxiiii	viii vi	i xxix xxv	xliii xli	ii i	v xvii xxxviii	i xix	iiii xxxiiii iiii
iii xxv	viii v	i xxix xvii	xliii lvi	ii o	v xvii xl	i xviii	iiii xxxi liii
iii xxvi	viii iiii	i xxix x	xliiii xi	i lix	v xvii xli	i xvii	iiii xxix xxxviii
iii xxvii	viii iii	i xxix ii	xliiii xxvi	i lviii	v xvii xliii	i xvi	iiii xxvii xviii
iii xxviii	viii ii	i xviii xxxv	xliiii xl	i lvii	v xvii xliiii	i xv	iiii xxiiii lii
iii xxix	viii i	i xviii xlviii	xliiii liiii	i lvi	v xvii xlv	i xiiii	iiii xxii xxiii
iii o	viii o	i xviii xli	xlv viii	i lv	v xvii xlvi	i xiii	iiii xix xlviii

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Sig gra	Sig gra	Sig gra minu	gra minu	gra minu	Sig gra minu	gra minu	gra minu	minu
na dus	na dus	na dus ta	dus ta	dus ta	na dus ta	dus ta	dus ta	ta
iiii i	vii xxix	i xxviii xxxv	xlv xxvi	i liii	v xvii xlvii	i xii	iiii xvii	ix
iiii ii	vii xxviii	i xxviii xxix	xlv xxxiii	i lii	v xvii xlviii	i xi	iiii xiiii	xxv
iiii iii	vii xxvii	i xxviii xxiii	xlv xlv	i li	v xvii xlix	i x	iiii xi	xxxvi
iiii iiii	vii xxvi	i xxviii xvii	xlv xlvi	i l	v xvii l	i ix	iiii viii	xliii
iiii v	vii xxv	i xxviii xii	xlvi vi	i xlix	v xvii l	i viii	iiii v	xlv
iiii vi	vii xxiiii	i xxviii vii	xlvi xvi	i xlvii	v xvii li	i vii	iiii ii	xlii
iiii vii	vii xxiii	i xxviii iii	xlvi xxv	i xlvi	v xvii lii	i vi	iii lix	xxxv
iiii viii	vii xxii	i xxvii lviii	xlvi xxxv	i xliiii	v xvii liii	i v	iii lvi	xxiiii
iiii ix	vii xxi	i xxvii liii	xlvi xliiii	i xliii	v xvii liii	i iiii	iii liii	ix
iiii x	vii xx	i xxvii xlix	xlvi lii	i xlii	v xvii liiii	i iii	iii xlix	xlix
iiii xi	vii xix	i xxvii xlvi	xlvi lviii	i xli	v xvii lv	i ii	iii xlvi	xxv
iiii xii	vii xviii	i xxvii xliiii	xlvii iii	i xl	v xvii lvi	i i	iii xlii	lvii
iiii xiii	vii xvii	i xxvii xlii	xlvi vi	i xxxviii	v xvii lvii	i ō	iii xxxix	xxiiii
iiii xiiii	vii xvi	i xxvii xli	xlvi ix	i xxxvi	v xvii lviii	ō lix	iii xxxv	xlviii
iiii xv	vii xv	i xxvii xl	xlvi xi	i xxxv	v xviii lix	ō lviii	iii xxxii	xxxvi
iiii xvi	vii xiiii	i xxvii xl	xlvi x	i xxxiiii	v xviii ō	ō lvii	iii xxviii	xliiii
iiii xvii	vii xiii	i xxvii xli	xlvi ix	i xxxi	v xviii i	ō lvi	iii xxiiii	xlix
iiii xviii	vii xii	i xxvii xlii	xlvi vii	i xxix	v xviii ii	ō lv	iii xx	l
iiii xix	vii xi	i xxvii xliii	xlvi v	i xxvii	v xviii iii	ō liiii	iii xvi	xlviii
iiii xx	vii x	i xxvii xliiii	xlvi ii	i xxv	v xviii iii	ō liii	iii xii	xlii
iiii xxi	vii ix	i xxvii xlvi	xlvi lix	i xxiii	v xviii iiii	ō lii	iii viii	xxxiii
iiii xxii	vii viii	i xxvii xlviii	xlvi lv	i xxi	v xviii v	ō li	iii iiii	xx
iiii xxiii	vii vii	i xxvii lii	xlvi xlviii	i xix	v xviii v	ō l	iii ō	iiii
iiii xxiiii	vii vi	i xxvii lvii	xlvi xxxvii	i xviii	v xviii vi	ō xlix	ii lvi	xlv
iiii xxv	vii v	i xxviii iii	xlvi xxvi	i xvi	v xviii vii	ō xlvii	ii lii	xxiii
iiii xxvi	vii iiii	i xxviii ix	xlvi xii	i xiiii	v xviii vii	ō xlvi	ii xlviii	lix
iiii xxvii	vii iii	i xxviii xvi	xlvi lviii	i xii	v xviii viii	ō xlv	ii xliii	xxxi
iiii xxviii	vii ii	i xxviii xxiiii	xlvi xliii	i x	v xviii ix	ō xliiii	ii xxxviii	ō
iiii xxix	vii i	i xxviii xxxii	xlvi xxviii	i viii	v xviii ix	ō xliii	ii xxxiiii	i
iiii ō	vii ō	i xxviii xl	xlvi x	i vi	v xviii x	ō xlii	ii xxx	i

SIG GRA NA DVS	SIG GRA NA DVS	SIG GRA MINV NA DVS TE	GRA MINV DVS TE	GRA MINV DVS TE	SIG GRA MINV NA DVS TE	GRA MINV DVS TE	GRA MINV DVS TE.	MINV TIE.
v i	vi xxix	i xxviii L	xliiii l	i iiii	v xviii xi	ō xli	ii xxv	xxvii
v ii	vi xxviii	i xxix ii	xliiii xxxvi	i ii	v xviii xi	ō xl	ii xx	l
v iii	vi xxvii	i xxix xvi	xliii lviii	i ō	v xviii xii	ō xxxix	ii xvi	lii
v iiii	vi xxvi	i xxix xxviii	xliii xxv	ō lviii	v xviii xii	ō xxxviii	ii li	xxxi
v v	vi xxv	i xxix xlviii	xlii liiii	ō lvi	v xviii xiii	ō xxxvii	ii vi	xlviii
v vi	vi xxiiii	ii ō x	xlii x	ō liiii	v xviii xiiii	ō xxxvi	ii ii	i
v vii	vi xxiii	ii ō xxxii	xli xxvi	ō lii	v xviii xiiii	ō xxxv	i lvii	xiii
v viii	vi xxii	ii ō lvi	xl xxxix	ō xlix	v xviii xv	ō xxxiiii	i lii	xxiii
v ix	vi xxi	ii i xxi	xxxix xlviii	ō xlvi	v xviii xvi	ō xxxiiii	i xlviii	xxxi
v x	vi xx	ii i xlix	xxxviii liii	ō xlv	v xviii xvi	ō xxxiii	i xliii	xxxvi
v xi	vi xix	ii ii xix	xxxvii liii	ō xliii	v xviii xvi	ō xxxii	i xxxviii	xl
v xii	vi xviii	ii ii li	xxxvi xlviii	ō xli	v xviii xvii	ō xxxi	i xxxii	xlii
v xiii	vi xvii	ii iii xxvi	xxxv xxxviii	ō xxxix	v xviii xvii	ō xxxiiii	i xxvii	xliii
v xiiii	vi xvi	ii iiii iii	xxxiiii xviiii	ō xxxvii	v xviii xviii	ō xxix	i xxii	xli
v xv	vi xv	ii iiii xlii	xxxiii vii	ō xxxv	v xviii xviii	ō xxviii	i xvii	xxxix
v xvi	vi xiiii	ii v xxix	xxxi xxxiii	ō xxxii	v xviii xviii	ō xxviii	i xii	xxxv
v xvii	vi xiii	ii vi xviii	xxix lv	ō xxx	v xviii xix	ō xxvii	i vii	xxix
v xviii	vi xii	ii vii x	xxviii xi	ō xxviii	v xviii xix	ō xxvi	i ii	xxii
v xix	vi xi	ii viii iiii	xxvi xxii	ō xxv	v xviii xix	ō xxvi	ō lvii	xv
v xx	vi x	ii ix i	xxiiii xxviii	ō xxiii	v xviii xix	ō xxv	ō lii	vi
v xxi	vi ix	ii x i	xxii xxix	ō xxi	v xviii xx	ō xxv	ō xlvi	lvi
v xxii	vi viii	ii xi iii	xx xxiiii	ō xviii	v xviii xx	ō xxiiii	ō xlii	lv
v xxiii	vi vii	ii xii vii	xviii xvi	ō xvi	v xviii xx	ō xxiiii	ō xxxvi	xxxiiii
v xxiiii	vi vi	ii xiii xix	xv liii	ō xiii	v xviii xx	ō xxiii	ō xxxi	xxi
v xxv	vi v	ii xiiii xxxi	xiii xxviii	ō xi	v xviii xxi	ō xxiii	ō xxvi	ix
v xxvi	vi iiii	ii xv xlvi	x lviii	ō ix	v xviii xxi	ō xxiii	ō xx	li
v xxvii	vi iii	ii xvii iiii	viii xxiii	ō vii	v xviii xxi	ō xxii	ō xv	xlii
v xxviii	vi ii	ii xviii xxv	v xvii	ō iiii	v xviii xxi	ō xxii	ō x	xxviii
v xxix	vi i	ii xix xlix	ii liii	ō ii	v xviii xxi	ō xxii	ō v	xiiii
v ō	vi ō	ii xxi xv	ō ō	ō ō	v xviii xxi	ō xxii	ō ō	ō

Sig gra	Sig gra	Sig gra anni	gra anni	gra anni	Sig gra anni	gra anni	gra anni anni
na dus	na dus	na dus t g	dus t g.	dus t g	na dus t g	dus t g	dus t g. t i g.
ō i	xi xxxix	vii xiiii xlvi	ō xvi	ō iiii	iiii xxvii xiiii	i xliiii	ō vi xxxiii
ō ii	xi xxxviii	vii xiiii xxxviii	ō xxxii	ō viii	iiii xxvii xiiii	i xliiii	ō xiii v
ō iii	xi xxxvii	vii xiiii xxx	ō xlviii	ō xii	iiii xxvii xiiii	i xliiii	ō xix xxxviii
ō iiii	xi xxxvi	vii xiiii xxii	i iiii	ō xvi	iiii xxvii xiii	i xliiii	ō xxvi x
ō v	xi xxxv	vii xiiii xiiii	i xx	ō xx	iiii xxvii xiii	i xliiii	ō xxxii xli
ō vi	xi xxxiiii	vii xiiii vi	i xxxvi	ō xxiiii	iiii xxvii xiii	i xliiii	ō xxxix xii
ō vii	xi xxxiii	vii xiii lviii	i lii	ō xxviii	iiii xxvii xii	i xliiii	ō xlv xliii
ō viii	xi xxxii	vii xiii l	ii ix	ō xxxii	iiii xxvii xii	i xliii	ō lii xi
ō ix	xi xxxi	vii xiii xlii	ii xxv	ō xxxvii	iiii xxvii xi	i xliii	ō lviii xl
ō x	xi xxx	vii xiii xxxiiii	ii xli	ō xli	iiii xxvii xi	i xliii	i ō vii
ō xi	xi xxix	vii xiii xxvi	ii lvii	ō xlv	iiii xxvii ix	i xliii	i xi xxxiii
ō xii	xi xxviii	vii xiii xviii	iii xiii	ō xlix	iiii xxvii viii	i xliii	i xvii xviii
ō xiii	xi xxvii	vii xiii x	iii xxix	ō liii	iiii xxvii viii	i xliii	i xxiiii xxi
ō xiiii	xi xxvi	vii xiii ii	iii xlv	ō lvii	iiii xxvii vii	i xliii	i xxx xliii
ō xv	xi xxv	vii xii liiii	iiii i	i i	iiii xxvii vi	i xlii	i xxxvii iii
ō xvi	xi xxiiii	vii xii xlvi	iiii xvi	i v	iiii xxvii iiii	i xlii	i xliii xxii
ō xvii	xi xxiii	vii xii xxxviii	iiii xxxii	i ix	iiii xxvii ii	i xlii	i xlix xviii
ō xviii	xi xxii	vii xii xxx	iiii xlviii	i xiii	iiii xxvii ō	i xlii	i lv xiii
ō xix	xi xxi	vii x xxii	v iiii	i xvii	iiii xxvi lix	i xlii	ii ii v
ō xx	xi xx	vii x xv	v xix	i xx	iiii xxvi lvi	i xlii	ii viii xv
ō xxi	xi ix	vii xii vii	v xxxv	i xxiiii	iiii xxvi liiii	i xlii	ii xiiii xxiii
ō xxii	xi viii	vii xi lix	v li	i xxvii	iiii xxvi lii	i xli	ii xx xxix
ō xxiii	xi vii	vii xi li	vi vi	i xxxi	iiii xxvi l	i xli	ii xxvi xxxii
ō xxiiii	xi vi	vii xi xliii	vi xxii	i xxxv	iiii xxvi xlix	i xli	ii xxxii xxxii
ō xxv	xi v	vii xi xxxvi	vi xxxviii	i xxxix	iiii xxvi xlvii	i xli	ii xxxviii xxix
ō xxvi	xi iiii	vii xi xxviii	vi liii	i xliii	iiii xxvi xlv	i xli	ii xliiii xxiii
ō xxvii	xi iii	vii xi xx	vii viii	i xlvi	iiii xxvi xliii	i xli	ii l xv
ō xxviii	xi ii	vii xi xii	vii xxiiii	i l	iiii xxvi xl	i xli	ii lvi iii
ō xxix	xi i	vii xi v	vii xxxix	i lv	iiii xxvi xxxviii	i xli	iii i xlviii
ō ō	xi ō	vii xi lvii	vii lv	i lix	iiii xxvi xxxvi	i xli	iii i xxx

Sig gra	Sig gra	Sig gra annus	Gra annus	Gra annus	Sig gra annus	Gra annus	Gra annus annus
na dus	na dus	na dus t e	dus t e	dus t e	na dus t e	dus t e	dus t e t i e
i i	x xxix	vii x xlix	viii x	ii ii	iiii xxvi xxxiiii	i xlii	iiii xiii viii
i ii	x xxviii	vii x xlii	viii xxv	ii v	iiii xxvi xxxii	i xlii	iiii xviii xliii
i iii	x xxvii	vii x xxxiiii	viii xl	ii ix	iiii xxvi xxix	i xlii	iiii xxiiii xiiii
i iiii	x xxvi	vii x xxvii	viii lv	ii xii	iiii xxvi xxvii	i xl	iiii xxix xlii
i v	x xxv	vii x xix	ix x	ii xv	iiii xxvi xxiiii	i xl	iiii xxxv v
i vi	x xxiiii	vii x xii	ix xxv	ii xix	iiii xxvi xxi	i xl	iiii xl xxv
i vii	x xxiii	vii x iiii	ix xl	ii xxii	iiii xxvi xix	i xl	iiii xlv xlii
i viii	x xxii	vii ix lvii	ix lv	ii xxv	iiii xxvi xvi	i xl	iiii l lii
i ix	x xxi	vii ix xlix	x x	ii xxix	iiii xxvi xv	i xxxix	iiii lvi ō
i x	x xx	vii ix xlii	x xxv	ii xxxii	iiii xxvi xii	i xxxix	iiii i iii
i xi	x xix	vii ix xxxii	x xxxix	ii xxxv	iiii xxvi ix	i xxxix	iiii vi i
i xii	x xviii	vii ix xxviii	x liiii	ii xxxix	iiii xxvi vi	i xxxviii	iiii x lv
i xiii	x xvii	vii ix xx	xi ix	ii xlii	iiii xxvi iiii	i xxxviii	iiii xv xlv
i xiiii	x xvi	vii ix xiii	xi xxiiii	ii xlv	iiii xxvi i	i xxxviii	iiii xx xx
i xv	x xv	vii ix v	xi xxxviii	ii xlix	iiii xxv lviii	i xxxviii	iiii xxv x
i xvi	x xiiii	vii viii lviii	xi lii	ii lii	iiii xxv lvi	i xxxvii	iiii xxxix xlv
i xvii	x xiii	vii viii li	xii vi	ii liiii	iiii xxv liii	i xxxvii	iiii xxxiiii xv
i xviii	x xii	vii viii xliiii	xii xx	ii lvii	iiii xxv l	i xxxvii	iiii xxxviii xli
i xix	x xi	vii viii xxxvii	xii xxxv	ii lix	iiii xxv xlviii	i xxxvii	iiii xliii i
i xx	x x	vii viii xxx	xii xlviii	iii i	iiii xxv xlv	i xxxvi	iiii xlvii xvi
i xxi	x ix	vii viii xxiii	xiii ii	iii iiii	iiii xxv xlii	i xxxvi	iiii li xxvi
i xxii	x viii	vii viii xvi	xiii xvi	iii vii	iiii xxv xl	i xxxvi	iiii lv xxx
i xxiii	x vii	vii viii x	xiii xxix	iii ix	iiii xxv xxxvii	i xxxv	iiii lix xxix
i xxiiii	x vi	vii viii iii	xiii xliii	iii xii	iiii xxv xxxiiii	i xxxv	v iii xxiii
i xxv	x v	vii vii lvi	xiii lvi	iii xiiii	iiii xxv xxxii	i xxxv	v vii xi
i xxvi	x iiii	vii vii l	xiiii ix	iii xvii	iiii xxv xxix	i xxxiiii	v x xxiii
i xxvii	x iii	vii vii xliii	xiiii xxii	iii xx	iiii xxv xxvii	i xxxiiii	v xiiii xx
i xxviii	x ii	vii vii xxxvii	xiiii xxxv	iii xxiii	iiii xxv xxii	i xxxiiii	v xviii i
i xxix	x i	vii vii xxx	xiiii xlviii	iii xxv	iiii xxv xx	i xxxiii	v xxi xxvi
i ō	x ō	vii vii xxiiii	xiiii i	iii xxvii	iiii xxv xviii	i xxxiii	v xxiiii xlvi

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sig gra na dus	sig gra na dus	sig gra anni na dus t e	gra anni dus t e.	gra anni dus t e	sig gra anni na dus t e	gra min dus t e	gra min min dus t e t ie.
ii i	ix xxix	vii vii xviii	xv xiii	iii xxviii	iiii xxv xvi	i xxxiii	v xxvii lix
ii ii	ix xxviii	vii vii xv	xv xvii	iii xxx	iiii xxv xiiii	i xxxii	v xxxi vi
ii iii	ix xxvii	vii vii v	xv xxxix	iii xxxi	iiii xxv xi	i xxxii	v xxxiiii viii
ii iiii	ix xxvi	vii vi lix	xv li	iii xxxiii	iiii xxv ix	i xxxii	v xxxvii iii
ii v	ix xxv	vii vi liii	xvi iii	iii xxxv	iiii xxv vii	i xxxi	v xxxix lii
ii vi	ix xxiiii	vii vi xlvii	xvi xv	iii xxxvi	iiii xxv v	i xxxi	v xlii xxxv
ii vii	ix xxiii	vii vi xl	xvi xxvii	iii xxxviii	iiii xxv iii	i xxxi	v xlv xi
ii viii	ix xxii	vii vi xxxv	xvi xxxviii	iii xxxix	iiii xxv i	i xxx	v xlvii xlii
ii ix	ix xxi	vii vi xxix	xvi l	iii xli	iiii xxv ō	i xxx	v l vi
ii x	ix xx	vii vi xxiii	xvii ii	iii xliii	iiii xxv lviii	i xxix	v lii xxiii
ii xi	ix xix	vii vi xviii	xvii xiii	iii xlv	iiii xxiiii lvi	i xxix	v liiii xxxiiii
ii xii	ix xviii	vii vi xii	xvii xxiiii	iii xlvi	iiii xxiiii lv	i xxix	v lvi xxxix
ii xiii	ix xvii	vii vi vii	xvii xxxv	iii xlviii	iiii xxiiii liiii	i xxviii	v lviii xxxvi
ii xiiii	ix xvi	vii vi i	xvii xlvi	iii xlix	iiii xxiiii liii	i xxviii	vi ō xxviii
ii xv	ix xv	vii v lvi	xvii lvii	iii l	iiii xxiiii lii	i xxvii	vi ii xiii
ii xvi	ix xiiii	vii v li	xviii l	iii li	iiii xxiiii li	i xxvii	vi iii li
ii xvii	ix xiii	vii v xlvi	xviii xvii	iii lii	iiii xxiiii l	i xxvi	vi v xxiii
ii xviii	ix xii	vii v xli	xviii xxvii	iii liii	iiii xxiiii xlix	i xxvi	vi vi xlviii
ii xix	ix xi	vii v xxxvi	xviii xxxvi	iii liii	iiii xxiiii xlviii	i xxvi	vi viii vii
ii xx	ix x	vii v xxxi	xviii xlvi	iii liiii	iiii xxiiii xlvii	i xxv	vi ix xviii
ii xxi	ix ix	vii v xxvii	xviii lv	iii lv	iiii xxiiii xlvi	i xxv	vi x xxiii
ii xxii	ix viii	vii v xxii	xix iiii	iii lvi	iiii xxiiii xlv	i xxiiii	vi xi xxi
ii xxiii	ix vii	vii v xviii	xix xiii	iii lvi	iiii xxiiii xliiii	i xxiiii	vi xii xii
ii xxiiii	ix vi	vii v xiiii	xix xxii	iii lvii	iiii xxiiii xliii	i xxiiii	vi xii lvii
ii xxv	ix v	vii v ix	xix xxxi	iii lviii	iiii xxiiii xlii	i xxiii	vi xiii xxxiiii
ii xxvi	ix iiii	vii v v	xix xxxix	iii lix	iiii xxiiii xli	i xxiii	vi xiiii v
ii xxvii	ix iii	vii v i	xix xlvi	iii lix	iiii xxiiii xl	i xxii	vi xiiii xxix
ii xxviii	ix ii	vii iiii lvii	xix liiii	iii ō	iiii xxiiii xxxix	i xxii	vi xiiii xlvi
ii xxix	ix i	vii iiii liiii	xix i	iii i	iiii xxiiii xxxix	i xxi	vi xiiii lvii
ii ō	ix ō	vii iiii l	xix ix	iii ii	iiii xxiiii xxxviii	i xxi	vi xv ō

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SIG GRA	SIG GRA	SIG GRA ANNU	GRA ANNU	GRA ANNU	SIG GRA ANNU	GRA ANNU	GRA ANNU ANNU
NA DNS	NA DNS	NA DNS T E	DNS T E	DNS T E	NA DNS T E	DNS T E	DNS T E T LE
iii i	viii xxix	vii iiii xlvi	xx xvi	iii i	iiii xxiiii xxxvii	i xx	vi xiiii lvii
iii ii	viii xxviii	vii iiii xliii	xx xxii	iii ō	iiii xxiiii xxxvi	i xx	vi xiiii xli
iii iii	viii xxvii	vii iiii xl	xx xxix	iii lix	iiii xxiiii xxxvi	i xix	vi xiiii xxix
iii iiii	viii xxvi	vii iiii xxxvii	xx xxxv	iii lix	iiii xxiiii xxxv	i xix	vi xiiii v
iii v	viii xxv	vii iiii xxxiiii	xx xli	iii lviii	iiii xxiiii xxxv	i xix	vi xiii xxiiii
iii vi	viii xxiiii	vii iiii xxxi	xx xlvii	iii lvii	iiii xxiiii xxxiiii	i xviii	vi xii lvii
iii vii	viii xxiii	vii iiii xxviii	xx lii	iii lvi	iiii xxiiii xxxiiii	i xviii	vi xii xiii
iii viii	viii xxii	vii iiii xxvi	xx lvii	iii lvi	iiii xxiiii xxxiii	i xviii	vi xi xxi
iii ix	viii xxi	vii iiii xxiii	xxi ii	iii lv	iiii xxiiii xxxiii	i xvii	vi x xxiii
iii x	viii xx	vii iiii xxi	xxi vi	iii liiii	iiii xxiiii xxxiii	i xvi	vi ix xviii
iii xi	viii xix	vii iiii xix	xxi x	iii liii	iiii xxiiii xxxii	i xvi	vi viii vii
iii xii	viii xviii	vii iiii xvii	xxi xiiii	iii liii	iiii xxiiii xxxii	i xv	vi vi xlviii
iii xiii	viii xvii	vii iiii xvi	xxi xvii	iii lii	iiii xxiiii xxxii	i xv	vi v xxiii
iii xiiii	viii xvi	vii iiii xiiii	xxi xx	iii li	iiii xxiiii xxxi	i xiiii	vi iii lii
iii xv	viii xv	vii iiii xiii	xxi xxiii	iii li	iiii xxiiii xxxi	i xiiii	vi ii xiii
iii xvi	viii xiiii	vii iiii xii	xxi xxiiii	iii l	iiii xxiiii xxxi	i xiii	vi ō xxviii
iii xvii	viii xiii	vii iiii xi	xxi xxvi	iii xlviii	iiii xxiiii xxxi	i xiii	v lviii xxvi
iii xviii	viii xii	vii iiii xi	xxi xxvii	iii xlvi	iiii xxiiii xxx	i xii	v lii xxix
iii xix	viii xi	vii iiii x	xxi xxviii	iii xliiii	iiii xxiiii xxx	i xii	v liiii xxiiii
iii xx	viii x	vii iiii x	xxi xxix	iii xliii	iiii xxiiii xxx	i xi	v lii xxviii
iii xxi	viii ix	vii iiii x	xxi xxix	iii xli	iiii xxiiii xxx	i xi	v l vi
iii xxii	viii viii	vii iiii ix	xxi xxx	iii xxxix	iiii xxiiii xxx	i x	v xlvii xlii
iii xxiii	viii vii	vii iiii ix	xxi xxx	iii xxxviii	iiii xxiiii xxx	i x	v xlv xi
iii xxiiii	viii vi	vii iiii x	xxi xxix	iii xxxvi	iiii xxiiii xxx	i x	v xlii xxxv
iii xxv	viii v	vii iiii x	xxi xxviii	iii xxxv	iiii xxiiii xxix	i ix	v xxxix lii
iii xxvi	viii iiii	vii iiii xi	xxi xxvi	iii xxxiii	iiii xxiiii xxix	i ix	v xxxvii iii
iii xxvii	viii iii	vii iiii xii	xxi xxiiii	iii xxxi	iiii xxiiii xxix	i viii	v xxxiiii viii
iii xxviii	viii ii	vii iiii xiii	xxi xix	iii xxx	iiii xxiiii xxix	i viii	v xxxi vi
iii xxix	viii i	vii iiii xv	xxi xvii	iii xxviii	iiii xxiiii xxix	i vii	v xxvii xlix
iii ō	viii ō	vii iiii xvii	xxi xv	iii xxvii	iiii xxiiii xxix	i vii	v xxiiii xlvi

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SIG GRA		SIG GRA		GRA MINV MINV	GRA	MINV	MINV	GRA	MINV MINV	GRA	MINV	MINV	GRA MINV	MINV
Radix	iii	xxiii	xxv	xliii	i	xi	xviii	liiii	xiii	[illegible] tram za	[illegible]	[illegible]	[illegible]	[illegible]
xxx	v	i	xxii	li	ii	xi	viii	xlvii	xxxiii	Far.	i	xxviii	ix	ii
lx	vi	ix	xix	lv	iii	x	xxvii	xli	xlvii	Rabe	ii	xxvii	xliii	vii
xc	vii	xvii	xvi	lix	iiii	x	xvi	xxxvii	.o.	Rabe	iii	xxvi	xviii	iiii
cxx	viii	xxv	xiiii	iii	v	x	vi	xxix	xxi	lumedi	iiii	xxv	lii	ix
cl	viii	iii	xi	vi	vi	ix	xxv	xxiii	xxxiiii	lumedi	v	xxiiii	xxvii	vi
clxxx	xi	xi	viii	ix	vii	ix	xv	xvi	lv	Rereb	vi	xxiiii	i	xi
ccx	.o.	xix	v	xiii	viii	ix	iiii	xi	ix	Sabin	vii	xxii	xxxvi	viii
ccxl	i	xxvi	ii	xvii	ix	viii	xxiii	v	xxii	Radiū H	viii	xxii	x	xiii
cclxx	iii	iiii	lix	xx	x	viii	xii	lviii	xliii	Shawel	ix	ix	xlv	x
ccc	iiii	xii	lvi	xxiii	xi	viii	i	lii	lvii	dulkeda B	x	xx	xix	xv
cccxxx	v	xx	liii	xxvi	xii	vii	xx	xlvii	ix	dulkeda	xi	xviii	liiii	xii
ccclx	vi	xxviii	l	xxix	xiii	vii	x	xl	xxx	Nomina Signo Rum				
cccxc	viii	vi	xlvii	xxxii	xiiii	vi	xxix	xxxiiii	xlv					
ccccxx	ix	xiiii	xliiii	xxxvi	xv	vi	xviii	xxviii	lvii		evval	car	solus	inngre
ccccl	x	xxii	xli	xxxix	xvi	vi	viii	xxii	xviii		ssv	sig	ho	rum.
cccclxxx	.o.	.o.	xxxviii	xlii	xvii	v	xxvii	xvi	xxxi		Sig	gous	dale	then.
dx	i	viii	xxxv	xlv	xviii	v	xvii	ix	lii					
dxl	ii	xvi	xxxii	xlix	xix	v	vi	iiii	v	Aries	xi	xxvii	xlviii	xii
dlxx	iii	xxiiii	xxix	lii	xx	iiii	xxiiii	lviii	xix	Taurus	.o.	xxviii	xviii	xxxviii
					xxi	iiii	xiiii	li	xl	Gemini	i	xxix	xvii	xxxiii
					xxii	iiii	iii	xlv	liii	Cancer	iii	.o.	xxviii	xx
					xxiii	iii	xxii	xl	vii	Leo	iiii	i	xxix	lviii
					xxiiii	iii	xii	xxxiii	xxviii	Virgo	v	ii	ix	vii
					xxv	iii	i	xxvii	xli	Libra	vi	ii	ix	xxxvii
					xxvi	ii	xxi	xxi	iii	Scorpius	vii	i	xxvi	lv
					xxvii	ii	x	xv	xvi	Sagittarius	viii	.o.	xl	xl
					xxviii	i	xxix	ix	xxix	Capricorni	viii	xxix	xxxiii	xlii
					xxix	i	xix	ii	l	Aquarius	ix	xxxviii	xxxv	xxiiii
					xxx	i	vii	lvii	iii	Pisces	x	xxvii	lv	.o.

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i	[illegible]	c	[illegible]	[illegible]	i	.c.	c.	ii	xxviii	ii	.c.	.c.	.c.	v
ii	c	i	lviii	xvi	ii	.c.	c.	iiii	lvi	iiii	.c.	.c.		viii
iii		ii	lvii	xxiiii	iii			vii	xxiiii	vii				xv
iiii		iii	lvii	xxxiii	iiii			ix	li	viii				xx
v		iiii	lv	xli	v			xii	xix	x				xxv
vi		v	liiii	xlix	vi			xiiii	xlvii	xii				xxx
vii		vi	liii	lvii	vii			xvii	xv	xiiii				xxxiii
viii		vii	liii	v	viii			xix	xliii	xvi				xxxix
viiii		viii	lii	xiii	viiii.			xxii	x	xviii				xliiii
x		viiii	li	xxii	x			xxxiiii	xxxviii	xx				xlix
xi		x	l	xxx	xi	.c.	c.	xxvii	vi	xxii				liiii
xii		xi	xlix	xxxviii	xii	.c.	c.	xxix	xxxiiii	xxiiii			.c.	lix
xiii.		xii	xlviii	xlvi	xiii			xxxii	ii	xxvi			i	iiii
xiiii		xiii	xlvii	liiii	xiiii			xxxiiii	xxx	xxviii			i	ix
xv		xiiii	xlvii	ii	xv			xxxvi	lviii	xxx	.c.	.c.	i	xiiii
xvi		xv	xlvi	xi	xvi			xxxix	xxv	xxxii	.c.	.c.	i	xviiii
xvii		xvi	xlv	xix	xvii			xli	liii	xiiii			i	xxv
xviii		xvii	xliiii	xxvii	xviii			xliii	xxi	xxxvi			i	xxix
xviiii		xviii	xliii	xxxv	xix			xlvi	xlix	xxxviii.			i	xxxiiii
xx		xix	xlii	xliii	xx			xlix	xvii	xl			i	xxxix
xxi		xx	xli	li	xxi			li	xlv	xlii			i	xliii
xxii		xxi	xl	lix	xxii			liiii	lii	xliiii			i	xlviii
xxiii		xxii	xl	viii	xxiii			lvi	xl	xlvi			i	liii
xxiiii		xxiii	xxxix	xvi	xxiiii			lviiii	viii	xlviii			i	lviii
xxv		xxiiii	xxxviii	xxiiii						l			ii	iii
xxvi		xxv	xxxvii	xxxii						lii			ii	viii
xxvii		xxvi	xxxvi	xl						liiii			ii	xiii
xxviii		xxvii	xxxv	xlix						lvi			ii	xviii
xxix		xxviii	xxxiiii	lvii						lviii			ii	xxiii
xxx		xxix	xxxiiii	v						lx			ii	xxviii

Sig gra Sig gra Gra min min Gra min min Gra min min Gra min min

Radix	iii	xxviii	xlv	xvii	iii	xiiii	xxxi	xl
xxx	v	v	xxxv	xxi	i	viii	xxxiii	xxvii
lx	vi	xiii	xxv	xxvi	xi	ii	xxx	liiii
xc	vii	xxi	xv	xxx	viii	xxvi	xxviii	xix
cxx	viii	xxix	v	xxxv	vi	xix	xxv	xlvii
cl	x	vi	lv	xl	iiii	xiiii	xxiii	xiiii
clxxx	xi	xiiii	xlv	xliiii	ii	viii	xx	xl
ccx	.t.	xxii	xxxv	xlix	.t.	ii	xviii	viii
ccxl	ii	.t.	xxv	liiii	ix	xxvi	xv	xxxv
cclxx	iii	viii	xv	lix	vii	xx	xiii	ii
ccc	iiii	xvi	vi	iiii	v	xiiii	x	xxx
cccxxx	v	xxiii	liii	ix	iii	viii	vii	lviii
ccclx	vii	i	xlvi	xiiii	i.	ii	v	xxiiii
cccxc	viii	ix	xxxvi	xix	x	xxvi	ii	lii
ccccxx	ix	xvii	xxvi	xxiiii	viii	xx	.t.	xix
ccccl	x	xxv	xvi	xxix	vi	xiii	lvii	xlvi
cccclxxx	.t.	iii	vi	xxxiiii	iiii	vii	lv	xiiii
dx	i	x	lvi	xxxviii	ii	i	lii	xl
dxl	ii	xviii	xlvi	xliii	xi	xxv	vii	l
dlxx	iii	xxvi	xxxvi	xlviii	ix	xix	xlvi	xxxv

ii	t	t	i	vi	t	t	i	v
ii	ix	xii	ii	ix	viii	xiii	iiii	xli
iii	x	xxvi	xxvii	lvii	vi	xxviii	v	xxi
iiii	x	x	liii	xliiii	v	iii	v	i.
v	x	viii	xxx	vi	iii	xxi	x	xii
vi	ix	xxii	lv	liii	i	xxvi	x	xl
vii	ix	xx	xxxii	xvi	.t.	xiiii	xv	ii
viii	ix	iiii	lviii	iii	x	xix	xv	xxxii
ix	viii	xix	xxiii	l	viii	xxiiii	xvi	ii
x	viii	xvii	.t.	xiii	vii	xii	xx	xxvi
xi	viii	i	xxvi	.t.	v	xvii	xx	liiii
xii	vii	xv	li	xlvii	iii	xxii	xxi	xxiii
xiii	vii	xiii	xxvii	x	ii	x	xxv	xlvii
xiiii	vi	xxvii	liii	lvii	t.	xv	xxvi	xvi
xv	vi	xii	xix	xliiii	x	xx	xxvi	xlv
xvi	vi	ix	lvi	vi	ix	viii	xxxix	viii
xvii	v	xxiiii	xxi	liiii	i	xiii	xxxi	xxxviii
xviii	v	xxi	lviii	xvi	vi	i	xxxvi	i
xix	v	vi	xxiiii	iii	iiii	vi	xxxvi	xxx
xx	iiii	xx	xlix	li	ii	xi	xxxvii	t.
xxi	iiii	xviii	xxvi	xiiii	t.	xxix	xli	xxiii
xxii	iiii	ii	lii	t.	xi	iiii	xli	lii
xxiii	iii	xvii	xvii	xlvii	ix	ix	xlii	xxii
xxiiii	iii	xiii	liiii	x	vii	xxvii	xlvi	xlv
xxv	ii	xix	xix	lvii	vi	ii	xlvii	xiiii
xxvi	ii	xxvi	lvi	xx	iiii	xx	li	xxxviii
xxvii	ii	xi	xxii	vii	ii	xxv	lii	vii
xxviii	i	xxv	xlviii	liiii	i	t.	lii	xxxv
xxix	i	xxiiii	xxiiii	xvi	xi	xviii	lvi	lvii
xxx	i	vi	i	iiii	ix	xxiii	lviii	xxvii

Elmu harrā	I	v	xvii	xxvi	i	i	lvi	lix
ii Zafar	i	xxvii	xxiiii	xviii	i	xix	L	v
iii Rabeel awel	iii	ii	xli	xlviii	ii	xxii	xlvi	iiii
iiii Rabee lahiril	iii	xxiiii	xlviii	xxxvi	iii	xi	xl	x
v Jumedi elawel	v	.τ.	vi	ii	iiii	xiii	xxxvii	ix
vi Jumedi elahiril	v	xxii	xii	liiii	v	ii	xxx	xv
vii Regeb	vi	xxvii	xxx	xx	vi	iiii	xxvii	xiiii
viii Sabin	vii	xix	xxxvii	xii	vi	xxiii	xx	xx
ix Kamad hanna	vii	xxiiii	liiii	xxxviii	vii	xxv	xvii	xix
x Sawel	ix	xvii	i	xxx	viii	xiiii	x	xxiiii
xi Dulkada.	x	xxii	xiiii	lvi	ix	xvi	vii	xxiii
xii Dulheia.	xi	xiiii	xxv	xlviii	x	v	τ	xxviii
.τ.	.τ.	.τ.	.τ.	.τ.	.τ.	.τ.	.τ.	.τ.

[illegible]	[illegible]	viii	x	xxxv	τ.	xiii	iii	liiii
ii	τ	xxvi	xxi	x	.τ.	xxvi	vi	xlviii
iii	i	ix	xxxi	xlv	i	ix	xi	xlii
iiii	i	xxii	xlii	xx	i	xxi	xv	xxvi
v	ii	v	lii	liiii	ii	v	xix	xxv
vi	ii	xix	iii	xxix	ii	xviii	xxiii	xxiiii
vii	iii	ii	xiiii	iiii	iii	i	xxvii	xviii
viii	iii	xv	xxiiii	xxxix	iii	xiiii	xxxi	xii
ix	iii	xxviii	xxv	xiiii	iii	xxvii	xxxv	vi
x	iiii	xi	xlv	xlix	iiii	x	xxix	.τ.
xi	iiii	xxiiii	lvi	xxiiii	iiii	xxiii	xlii	liiii
xii	v	viii	vi	lix	v	vi	xlvi	xlviii
xiii	v	xxi	xvii	xxxiii	v	xix	l	xlii
xiiii	vi	iiii	xxviii	viii	vi	ii	liiii	xxxvi
xv	vi	xvii	xxxviii	xliii	vi	xv	lviii	xxx.
xvi	vii	.τ.	xlix	xviii	vii	xxix	ii	xxiiii
xvii	vii	xiii	lix	liii	vii	xii	vi	xviii
xviii	vii	xxvii	x	xxviii	vii	xxv	x	xii
xix	viii	x	xxi	iii	viii	viii	xiiii	vi
xx	viii	xxiii	xxxi	xxxviii	viii	xxi	xviii	.τ.
xxi	ix	vi	xlii	xii	ix	iiii	xxi	liiii
xxii	ix	xix	lii	xlvii	ix	xvii	xxv	xlviii
xxiii	x	iii	iii	xxii	x	.τ.	xxix	xlii
xxiiii	x	xvi	xiii	lvii	x	xlii	xxxiii	xxxvi
xxv	x	xxix	xxiiii	xxxii	x	xxvi	xxxvii	xxix
xxvi	xi	xii	xxxv	vii	xi	ix	xli	xxiii
xxvii	xi	xxv	xlv	xlii	xi	xxii	xlv	xvii
xxviii	.τ.	viii	lvi	xvi	.τ.	v	xlix	xi
xxix	τ	xxi	vi	lii	τ	xviii	liii	v
xxx	i	v	xvii	xxvi	i	i	lvi	lix

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Sig gra	Sig gra				Gra	minu	minu		gra	minu	minu	gra	minu	minu	gra	minu	minu
i	t.	t	xxvii	lvi	t	t.	xxxii	xl	ii	t	t	i	vi	t	t	i	v 200
ii	t.	i	v	lii	t	i	v	xix	iiii	t	t	ii	xii	t	t	ii	xi
iii	t.	i	xxxviii	xlix	t	i	xxxvii	lix	vi	t	t	iii	xviii	t	t	iii	xvi
iiii	t.	ii	xi	xlvi	t	ii	x	lix	viii	t	t	iiii,	xxiiii	t	t	iiii	xxi
v	t.	ii	xliii	xlii	t	ii	xliii	xix	x	t	t	v	xxix	t	t	v	xxvii
vi	t.	iii	xvii	xxxix	t	iii	xv	xviii	xii	t	t	vi	xxxv	t	t	vi	xxxii
vii	t.	iii	l	xxxv	t	iii	xlviii	xxxviii	xiiii	t	t	vii	xli	t	t	vii	xxxviii
viii	t	iiii	xxiii	xxxiii	t	iiii	xxi	xviii	xvi	t	t	viii	xlvii	t	t	viii	xliii
ix	t	iiii	lvi	xxviii	t	iiii	liii	lviii	xviii	t	t	ix	liii	t	t	ix	xlviii
x	t	v	xxix	xxv	t	v	xxvi	xxxvii	xx	t	t	x	lviiii	t	t	x	liii
xi	t	vi	ii	xxi	t	v	lix	xvii	xxii	t	t	xii	v	t	t	xi	lix
xii	t	vi	xxxv	xvii	t	vi	xxxi	lvii	xxiiii	t	t	xiii	x	t	t	xiii	iiii
xiii	t	vii	viii	xiiii	t	vii	iiii	xxxvii	xxvi	t	t	xiiii	xvi	t	t	xiiii	ix
xiiii	t	vii	xli	x	t	vii	xxxvii	xvi	xxviii	t	t	xv	xxii	t	t	xv	xv
xv	t	viii	xiiii	vii	t	viii	ix	lvi	xxx	t	t	xvi	xxviii	t	t	xvi	xx
xvi	t	viii	xlviii	iii	t	viii	xlii	xxxvi	xxxii	t	t	xvii	xxxiiii	t	t	xvii	xxv
xvii	t	ix	xx	t	t	ix	xvi	xxxiiii	xxxiiii	t	t	xviii	xl	t	t	xviii	xxxi
xviii	t	ix	lii	lvi	t	ix	xlviii	lv	xxxvi	t	t	xix	xlvi	t	t	xix	xxxvi
xix	t	x	xxv	liii	t	x	xx	xxxv	xxxviii	t	t	xx	li	t	t	xx	xli
xx	t	x	lviii	xlix	t	x	liii	xv	xl	t	t	xxi	lvii	t	t	xxi	xlvii
xxi	t	xi	xxxi	xlvi	t	xi	xxv	lv	xlii	t	t	xxii	iii	t	t	xxii	lii
xxii	t	xii	iiii	xlii	t	xi	lviii	xxxiiii	xliiii	t	t	xxiiii	ix	t	t	xxiii	lvii
xxiii	t	xii	xxxviii	xxxviii	t	xii	xxxi	xiiii	xlvi	t	t	xxv	xv	t	t	xxv	iii
xxiiii	t	xiii	x	xxxv	t	xiii	iii	liiii	xlviii	t	t	xxvi	xxi	t	t	xxvi	viii
t	t	t	t	t	t	t	t	t	l	t	t	xxvii	xxvii	t	t	xxvii	xiii
t	t	t	t	t	t	t	t	t	lii	t	t	xxviii	xxxiii	t	t	xxviii	xix
									liiii	t	t	xxix	xxxviii	t	t	xxix	xxiiii
									lvi	t	t	xxx	xliiii	t	t	xxx	xxix
									lviii	t	t	xxxi	l	t	t	xxxi	xxxv
									lx	t	t	xxxii	lvi	t	t	xxxii	xl

Radix	iii	xxvii	lviii	xxxvii
xxx	iii	xxiii	xxviii	xxv
lx	iii	xviii	lviii	xiii
xc	iii	xiiii	xxviii	l
cxx	iii	ix	lvii	xlix
cl	iii	v	xxvii	lvii
clxxx	iii	τ	lvii	xxv
ccx	ii	xxvi	xxvii	xiiii
ccxl	ii	xxi	lvi	ii
cclxx	ii	xvii	xxvi	l
ccc	ii	xii	lvi	xxxix
cccxxx	ii	viii	xxvi	xxvi
ccclx	ii	iii	lv	xvi
cccxc	i	xxix	xxv	v
ccccxx	i	xxiiii	lv	liii
ccccl	i	xx	xxv	xlii
cccclxxx	i	xv	lv	xxxi
dx	i	xi	xxv	xix
dxl	i	vi	liiii	vii
dlxx	i	iii	xxiiii	lvi

i	τ	xi	l	xv
ii	τ	xxiii	xlii	xxxi
iii	i	v	xxxii	xlvi
iiii	i	xvii	xxiii	ii
v	i	xxix	xv	xvii
vi	ii	xi	v	xxxiii
vii	ii	xxii	lvii	xlix
viii	iii	iiii	xlviii	iiii
ix	iii	xvi	xxxviii	xx
x	iii	xxviii	xxx	xxxvi
xi	iiii	x	xx	li
xii	iiii	xxii	xi	vii
xiii	v	iiii	iii	xxiii
xiiii	v	xv	liii	xxxviii
xv	v	xxvii	xliii	liii
xvi	vi	ix	xxxvi	ix
xvii	vi	xxi	xxvi	xxiiii
xviii	vii	iii	xviii	xl
xix	vii	xv	viii	lv
xx	vii	xxv	lix	xi
xxi	viii	viii	li	xxvii
xxii	viii	xx	xli	xlii
xxiii	ix	ii	xxxi	lviii
xxiiii	ix	xiiii	xxiiii	xiiii
xxv	ix	xxvi	xiiii	xxx
xxvi	x	viii	vi	xlvi
xxvii	x	xix	lvii	i
xxviii	xi	i	xlvii	xvii
xxix	xi	xvii	xxxix	xxxiii
xxx	xi	xxv	xxix	xlviii

elmuharram.	τ	i	τ	xi
Zafar	τ	i	lviii	xxii
Rabea wel. Ra	τ	ii	lviii	xxxiiii
bealhir	τ	iii	lvi	xlv
Iumedi	τ	iiii	lvi	lvi
Iumedi	τ	v	lv	vii
Rebeb	τ	vi	lv	xviii
Sabban	τ	vii	liii	xxx
Bochan	τ	viii	liii	xli
Shawel	τ	ix	lii	lii
dulkeda	τ	x	lii	iii
dulheia	τ	xi	l	xv

Dies eorum partes

	hora	Lune arc. Sa	de carne curru	Hqaharet grani feldel cedoc svpdicti
	s	g	p	m
dies	τ	τ	lvii	viii
v	τ	iiii	xlv	xxxix
x	τ	ix	xxxi	xviii
xv	τ	xiiii	xvi	lvi
xx	τ	xix	ii	xxxv
xxv	τ	xxiii	xlviii	xiiii
xxx	τ	xxviii	xxxiii	liii
lx	i	xxvii	vii	xlviii
hora	τ	τ	ii	xxiii
iii	τ	τ	vii	ix
vi	τ	τ	xiiii	xvii
xii	τ	τ	xxviii	xxxiiii

Sig		Gra	Sig	Gra	Gra	minu	minu			Gra	minu	minu			Gra	minu	minu		
					dus					dus	o	e	o	i e	dus	o e	o i e	dus o e	o i s
i	o	o	ii	o	i	o	o	o	v	ii	o	o	o	i	radix	xi	o	xvi	xlix
ii	o	o	iiii	i	ii	o	o	o	x	iiii	o	o	o	o	xxx	iiii	xiii	xli	xxxix
iii	o	o	vi	i	iii	o	o	o	xv	vi	o	o	o	o	lx	ix	xxvii	vi	xxviii
iiii	o	o	viii	ii	iiii	o	o	o	xx	viii	o	o	o	i	xc	iii	x	xxxi	xvii
v	o	o	x	ii	v	o	o	o	xxv	x	o	o	o	i	cxx	viii	xxiii	lvi	vi
vi	o	o	xii	ii	vi	o	o	o	xxx	xii	o	o	o	i	cl	ii	vii	xx	lv
vii	o	o	xiiii	iii	vii	o	o	o	xxxv	xiiii	o	o	o	i	clxxx	vii	xx	xlv	xliiii
viii	o	o	xvi	iii	viii	o	o	o	xl	xvi	o	o	o	i	ccx	ii	iiii	x	xxxiiii
ix	o	o	xviii	iii	viiii	o	o	o	xlv	xviii	o	o	o	i	ccxl	vi	xvii	xxxv	xxiii
x	o	o	xx	iiii	x	o	o	o	l	xx	o	o	o	ii	cclxx	o	i	o	xii
xi	o	o	xxii	iiii	xi	o	o	o	lv	xxii	o	o	o	ii	ccc	v	xiiii	xxv	i
xii	o	o	xxiiii	v	xii	o	o	o	o	xxiiii	o	o	o	ii	cccxxx	x	xxvii	xlix	l
xiii	o	o	xxvi	v	xiii	o	o	i	v	xxvi	o	o	o	ii	ccclx	iiii	xi	xiiii	xxxix
xiiii	o	o	xxviii	v	xiiii	o	o	i	x	xxviii	o	o	o	ii	cccxc	ix	xxiiii	xxxix	xxviii
xv	o	o	xxx	vi	xv	o	o	i	xv	xxx	o	o	o	ii	ccccxx	iii	viii	iiii	xvii
xvi	o	o	xxxii	vi	xvi	o	o	i	xx	xxxii	o	o	o	iii	ccccl	viii	xxi	xxix	vii
xvii	o	o	xxxiiii	vi	xvii	o	o	i	xxv	xxxiiii	o	o	o	iii	cccclxxx	ii	iiii	liiii	lvi
xviii	o	o	xxxvi	vii	xviii	o	o	i	xxx	xxxvi	o	o	o	iii	dx	vi	xviii	xviii	xlvi
xix	o	o	xxxviii	vii	xix	o	o	i	xxxv	xxxviii	o	o	o	iii	dxl	i	i	xliii	xxxv
xx	o	o	xl	viii	xx	o	o	i	xl	xl	o	o	o	iii	dlxx	vi	xv	viii	xxiiii
xxi	o	o	xlii	viii	xxi	o	o	i	xlv	xlii	o	o	o	iii					
xxii	o	o	xliiii	viii	xxii	o	o	i	l	xliiii	o	o	o	iiii					
xxiii	o	o	xlvi	ix	xxiii	o	o	i	lv	xlvi	o	o	o	iiii					
xxiiii	o	o	xlviii	ix	xxiiii	o	o	ii	o	xlviii	o	o	o	iiii					
xxv	o	o	l	x						l	o	o	o	iiii					
xxvi	o	o	lii	x						lii	o	o	o	iiii					
xxvii	o	o	liiii	x						liiii	o	o	o	iiii					
xxviii	o	o	lvi	xi						lvi	o	o	o	v					
xxix	o	o		xi						lviii	o	o	o	v					
xxx	o	o	o	xi						lx	o	o	o	v					

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i	τ	xxix	xxv	τ
ii	i	xxviii	liiii	lix
iii	ii	xxviii	xix	lix
iiii	iii	xxvii	xliiii	lix
v	iiii	xxvii	xiiii	lviii
vi	v	xxvi	xxxix	lviii
vii	vi	xxvi	ix	lvii
viii	vii	xxv	xxxiiii	lvii
ix	viii	xxiiii	lix	lvii
x	ix	xxiiii	xxix	lvi
xi	x	xxiii	liiii	lvi
xii	xi	xxiii	xix	lvi
xiii	τ	xxii	xlix	lv
xiiii	i	xxii	xiiii	lv
xv	ii	xxi	xxxix	lv
xvi	iii	xxi	ix	liiii
xvii	iiii	xx	xxxiiii	liiii
xviii	v	xx	iiii	liii
xix	vi	xix	xxix	liii
xx	vii	xviii	liiii	liii
xxi	viii	xviii	xxiiii	lii
xxii	ix	xvii	xlix	lii
xxiii	x	xvii	xiiii	lii
xxiiii	xi	xvi	xliiii	li
xxv	τ	xvi	ix	li
xxvi	i	xv	xxxix	l
xxvii	ii	xv	iiii	l
xxviii	iii	xiiii	xxix	l
xxix	iiii	xiii	lix	xlix
xxx	v	xiii	xxiiii	xlix

elmuharram.	τ	ii	xxix	xxxv
Zafar	τ	iiii	liiii	x
Rabe	τ	vii	xxiii	xlv
Rabe	τ	ix	xlviii	xx
Iumedi	τ	xii	xvii	lv
Iumedi	τ	xiiii	xlii	xxx
Rebeb	τ	xvii	xii	v
Ṡabin	τ	xix	xxxvi	xl
Ramchan	τ	xxii	vi	xv
Shawel	τ	xxiiii	xxx	l
Dulkeda	τ	xxvii	τ	xxv
Dulheia	τ	xxix	xxv	τ

dies & ho. ar.	arg.	Gen.	Jovis	Sup(er)dic
	S	G	P	M
dies	τ	τ	liiii	ix
v	τ	iiii	xxx	xlv
x	τ	ix	i	xxx
xv	τ	xiii	xxxii	xv
xx	τ	xviii	iii	τ
xxv	τ	xxii	liii	xlv
xxx	τ	xxvii	iiii	xxx
lx	i	xxiiii	ix	τ
hore	τ	τ	ii	xvi
iii	τ	τ	vi	xlvii
vi	τ	τ	xiii	xxxii
xii	τ	τ	xxvii	ii

i	τ	τ	iiii	lix
ii	τ	τ	ix	lviii
iii	τ	τ	xiiii	lvii
iiii	τ	τ	xix	lvii
v	τ	τ	xxiiii	lvi
vi	τ	τ	xxix	lv
vii	τ	τ	xxxiiii	liiii
viii	τ	τ	xxxix	liii
viiii	τ	τ	xliiii	lii
x	τ	τ	xlix	lii
xi	τ	τ	liiii	li
xii	τ	τ	lix	l
xiii	τ	i	iiii	xlix
xiiii	τ	i	ix	xlvii
xv	τ	i	xiiii	xlvii
xvi	τ	i	xix	xlvi
xvii	τ	i	xxiiii	xlvi
xviii	τ	i	xxix	xlv
xix	τ	i	xxxiiii	xliiii
xx	τ	i	xxxix	xliii
xxi	τ	i	xliiii	xlii
xxii	τ	i	xlix	xli
xxiii	τ	i	liiii	xl
xxiiii	τ	i	lix	xl
xxv	τ	ii	iiii	xxxix
xxvi	τ	ii	ix	xxxviii
xxvii	τ	ii	xiiii	xxxvii
xxviii	τ	ii	xix	xxxvi
xxix	τ	ii	xxiiii	xxxv
xxx	τ	ii	xxix	xxxv

Sig gra				Sig gra	Gra				min min	Gra	min	min			Gra	min	min		
															dus t e		t i e	dus t e	t i g.
i	t	t	t	xii	ii	t	t	t	t	Radix	vii	t	xxv	xv	i	vi	v	xxx	x
ii	t	t	t	xxv	iiii	t	t	t	i	xxx	t	xxv	xliii	ii	ii	t	xi	xxxi	xlvi
iii			t	xxxvii	vi				i	lx	vi	xii	vi	xlv	iii	vi	xvii	i	lvi
iiii			t	l	viii				ii	xc	t	ii	lvii	xxxv	iiii	t	xxii	xxxii	vi
v			i	ii	x			t	ii	cxx	t	xxiiii	xlviii	xxiii	v	vi	xxviii	xxxiii	xlii
vi			i	xv	xii			t	ii	cl	xi	xiiii	xxxix	x	vi	i	iiii	iii	lii
vii			i	xxvii	xiiii				iii	clxxx	v	v	xxix	lvii	vii	vii	x	v	xxviii
viii			i	xl	xvi				iii	ccx	x	xxvi	xxx	xliiii	viii	i	xv	xxxv	xxxviii
ix			i	lii	xviii				iiii	ccxl	iiii	xvii	xi	xxxi	ix	vii	xxi	v	xlviii
x			ii	v	xx				iiii	cclxx	x	viii	ii	xix	x	i	xxvii	vii	xxiiii
xi			ii	xvii	xxii				iiii	ccc	iii	xxviii	liii	vi	xi	viii	ii	xxxvii	xxxiiii
xii			ii	l	xxiiii				v	cccxxx	ix	xix	xliii	liii	xii	ii	viii	vii	xliii
xiii			ii	xlii	xxvi				v	ccclx	iii	x	xxxiiii	xl	xiii	viii	xiiii	ix	xx
xiiii			ii	lv	xxviii				vi	cccxc	ix	i	xxv	xxvii	xiiii	ii	xix	xxxix	xxx
xv	t	t	iii	vii	xxx	t	t	t	vi	ccccxx	ii	xxii	xvi	xv	xv	viii	xxv	ix	xl
xvi	t	t	iii	xix	xxxii	t	t	t	vi	ccccl	viii	xiii	vii	ii	xvi	iii	i	xi	xvi
xvii			iii	xxxii	xxxiiii				vii	cccclxxx	ii	iii	lvii	xlix	xvii	ix	vi	xli	xxvi
xviii			iii	xliiii	xxxvi				vii	dx	vii	xxxiiii	xlviii	xxxvi	xviii	iii	xii	xliii	ii
xix			iiii	lvii	xxxviii				viii	dxl	i	xxv	xxxix	xxiiii	xix	ix	xviii	xiii	xii
xx			iiii	ix	xl				viii	dlxx	vii	xl	xxx	xl	xx	iii	xxiiii	xliii	xxii
xxi			iiii	xxii	xlii				viii						xxi	ix	xxix	xliiii	xviii
xxii			iiii	xxxiiii	xliiii				ix						xxii	iiii	ii	xv	viii
xxiii	t	t	iiii	xlvii	xlvi				ix						xxiii	x	x	xlv	lviii
xxiiii	t	t	iiii	lix	xlviii				x						xxiiii	iiii	xvi	xlvi	liiii
					l				x						xxv	x	xxii	xvii	iiii
					lii				x						xxvi	iiii	xxviii	xviii	xl
					liiii				xi						xxvii	xi	iiii	xlviii	l
					lvi				xi						xxviii	v	ix	xix	t
					lviii	t	t	t	xii						xxix	xi	xv	xx	xxxvi
					lx	t	t	t	xii						xxx	v	xxx	l	xlvii

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Almuha rram	t xv xliii xiiii	i t t xxi xxvi	i t t i xviii	ii t t t iii
Zafar	i t lv ii	ii t i ii liii	ii t t ii xxvii	iiii t t t v
Rabe	i xvi xxviii xvi	iii i xxiiii xix	iii iii lvii	vi t t viii
Rabe	ii i l iiii	iiii ii v xlvi	iiii v xiiii	viii t t x
Iumedi	ii xvii xxxiii xviii	v ii xxvii xii	v vi xxiii	x t xiii
Iumedi	iii ii xlv v	vi iii viii xxxix	vi vii lii	xii t xvi
Rebeb	iii xviii xxviii xix	vii iii xl v	vii ix x	xiiii t xviii
Shabin	iiii iii xl vii	viii iiii xi xxxii	viii x xxix	xvi xxi
Ratham	iiii xix xxiii xxi	ix iiii xlii lviii	viiii xi xlviii	xviii xxiiii
Sawel	v iiii xxxv ix	x v xiiii xxv	x xiii vi	xx xxvi
dulreda	v xx xviii xxiiii	xi v xlv li	xi xiiii xxvi	xxii xxix
dulheia	vi v xxx x	xii vi xvii xviii	xii xv xliii	xxiiii xxxi
[illegible]		xiii t vi xlviii xliiii	xiii t t xvii ii	xxvi t xxxiiii
		xiiii t vii xx xi	xiiii t t xviii xx	xxviii t xxxvi
[illegible]	elme dle carneli	xv vii li xxxvii	xv xix xxxix	xxx t t xxxix
	hec anni reiʃ sup dicunt	xvi viii xxiii iiii	xvi xx lviii	xxxii t t xlii
[illegible]	S 6 P M	xvii viii liiii xxx	xvii xxii xvii	xxxiiii xliiii
		xviii ix xxv lvii	xviii xxiii xxxv	xxxvi xlvii
Dies	t t xxvii xlii	xix ix lvii xxiii	xix xxiiii liiii	xxxviii xlix
v	t ii xviii xxix	xx x xxviii l	xx xxvi xii	xl lii
x	t iiii xxxvi lvii	xxi xi t xvi	xxi xxvii xxxi	xlii t lv
xv	t xi lv xxv	xxii xi xxxi xliii	xxii xxviii l	xliiii t lvii
xx	t ix xiii liiii	xxiii xii iii ix	xxiii t t xxx viii	xlvi i t
xxv	t xi xxxii xxii	xxiiii xii xxxiiii xxxvi	xxiiii t t xxxi xxvi	xlviii i ii
xxx	t xiii l li	xxv xiii vi ii		l i v
lx	t xxvii xli xlii	xxvi xiii xxxvii xxxviii		lii i viii
hore	t t i x	xxvii xiiii viii liiii		liiii i x
iii	t t iii xxviii	xxviii xiiii xl li		lvi i xiii
vii	t t vi lv	xxix t xv xi xlvii		lviii t i xv
xii	t t xiii li	xxx t xv xliii xiiii		lx t i xviii

Sig	Gra	Sig	Gra
Radix i	xvi	τ	iii
xxx iiii	τ	xxx	lvi
lx vi	xv	i	xxx
xc viii	xxix	xxxii	xliii
cxx xi	xiiii	iii	xxxvi
cl i	xxxiii	xxxiiii	xxx
clxxx iiii	xxvii	v	xxiiii
ccx vi	xxvii	xxxvi	xvii
ccxl ix	xii	vii	x
cclxx xi	xxvi	xxxviii	iiii
ccc ii	xi	viii	lviii
cccxxx iiii	xxv	xxxix	li
ccclx vii	x	x	xliiii
cccxc ix	xxiiii	xli	xxxviii
ccccxx v	ix	xii	xxx
ccccl ii	xxiii	xliii	xxiiii
cccclxxx v	viii	xiiii	xvii
dx vii	xxii	xlv	x
dxl x	vii	xvi	iiii
dlxx τ	xxi	xlvii	lviii

Gra dus	minu τ	minu c	τ	i c
i	vii	viii	xv	xxviii
ii	ii	xvii	vii	lvi
iii	ix	xxv	xxxiii	xxiiii
iiii	v	iii	xxviii	lii
v	τ	xii	xxxi	xx
vi	vii	xx	xlvi	xlviii
vii	ii	xxix	xxxix	xv
viii	x	vii	liiii	xliii
ix	v	xvi	x	xi
x	τ	xxv	ii	xxxviii
xi	viii	iii	xviii	vi
xii	iii	xi	xxiii	xxxiiii
xiii	x	xx	xxvi	ii
xiiii	v	xxviii	xli	xxx
xv	i	vi	lvi	lviii
xvi	viii	xv	xlix	xxv
xvii	iii	xxiiii	iiii	liii
xviii	xi	ii	lvii	xx
xix	vi	xi	xii	xlviii
xx	i	xix	xxviii	xvi
xxi	viii	xxviii	xx	xliiii
xxii	iiii	vi	xxxvi	xii
xxiii	xi	xiiii	li	xl
xxiiii	vi	xxiii	xliiii	vii
xxv	ii	i	lix	xxxv
xxvi	ix	x	lii	ii
xxvii	iiii	xix	vii	xxx
xxviii	xi	xxvii	xxii	lviii
xxix	vii	vi	xv	xxv
xxx	ii	xiiii	xxx	liii

Gra	minu	minu		
alnau				
	τ	xviii	xxix	xlvii
harta				
Zafar	i	vi	xxii	xxxii
Nabe				
	i	xxiiii	lii	xxii
dabel				
Rabed				
	ii	xii	xlv	x
arbia				
jumeh				
	iii	i	xiiii	xvii
Elale				
jumeh				
	iii	xix	vii	xlv
elabik				
Kebeb				
	iiii	vii	xxxvii	xxxii
Sabin	iiii	xxv	xxx	xx
Kamdu	v	xxiiii	τ	vii
Sawel	vi	i	lii	lv
dulre	vi	xx	xxii	xlii
dan				
dul				
	vii	viii	xv	xxix
hela				

Gra dus	minu τ	minu c	τ	i c
i	τ	τ	xxxvii	τ
ii	τ	i	xiii	lix
iii		i	l	lix
iiii		ii	xxvii	lviii
v		iii	iiii	lviii
vi		iii	xli	lvii
vii		iiii	xviii	lvii
viii		iiii	lv	lvii
viiii		v	xxxii	lvi
x		vi	ix	lvi
xi		vi	xlvi	lv
xii		vii	xxiii	lv
xiii	τ	viii	τ	liiii
xiiii	τ	viii	xxxvii	liiii
xv		ix	xiiii	liii
xvi		ix	li	liii
xvii		x	xxviii	lii
xviii		xi	v	lii
xix		xi	xlii	lii
xx		xii	xix	li
xxi		xii	lvi	li
xxii		xiii	xxxiii	l
xxiii		xiiii	x	l
xxiiii		xiiii	xlvii	l
xxv		xv	xxiiii	xlix
xxvi		xvi	i	xlix
xxvii		xvi	xxxviii	xlviii
xxviii		xvii	xv	xlviii
xxix	τ	xvii	lii	xlvii
xxx	τ	xviii	xxix	xlvii

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i	τ	τ	i	xxxii	ii	τ τ τ	iii
ii	τ	τ	iii	v	iiii	τ τ τ	vi
iii			iiii	xxxvii	vi	τ	ix
iiii			vi	x	viii	τ	xii
v			vii	xlii	x		xv
vi			ix	xv	xii		xviii
vii			x	xlvii	xiiii		xxi
viii			xii	xx	xvi		xxv
ix			xiii	lii	xviii		xxviii
x			xv	xxv	xx		xxxi
xi			xvi	xvii	xxii		xxxiiii
xii			xviii	xxx	xxiiii		xxxvii
xiii			xix	ii	xxvi	τ τ	xl
xiiii			xxi	xxxv	xxviii	τ τ	xliii
xv	τ	τ	xxiii	vii	xxx		xlvi
xvi	τ	τ	xxiiii	xl	xxxii		xlix
xvii			xxvi	xii	xxxiiii		lii
xviii			xxvii	xlv	xxxvi		lv
xix			xxix	xvii	xxxviii		lviii
xx			xxx	l	xl		i
xxi			xxxii	xxii	xlii		iiii
xxii			xxxiii	lv	xliiii		vii
xxiii	τ	τ	xxxiiii	xxvii	xlvi		x
xxiiii	τ	τ	xxxvii	τ	xlviii		xiii
					l		xvii
					lii		xx
					liiii		xxiii
					lvi		xxvi
					lviii	τ τ	xxix
					lx	τ τ	xxxii

Radix	ii	viii	liii	x
xxx	xi	vi	xv	xxx
lx	viii	iii	xxxvii	i
xc	v	i	τ	x
cxx	i	xxviii	xxii	xxx
cl	x	xxv	xliiii	l
clxxx	vii	xxiii	vii	x
ccx	iiii	xx	xxix	xxx
ccxl	i	xvii	li	l
cclxx	x	xv	xiiii	x
ccc	vii	xii	xxxvi	xxx
cccxxx	iiii	ix	lviii	l
ccclx	i	vii	xxi	x
cccxc	x	iiii	xliii	xxx
ccccxx	vii	ii	v	l
ccccl	iii	xxix	xxviii	x
cccclxxx	τ	xxvi	i	xxx
dx	ix	xxiiii	xii	l
dxl	vi	xxi	xxxv	ix
dlxx	iii	xviii	lvii	xxx

i	τ	xix	xlvi	xxiiii
ii	i	xii	xxxix	xii
iii	ii	ii	xxv	xxvi
iiii	ii	xxii	xi	lix
v	iii	xv	iiii	xlvii
vi	iiii	iiii	li	xxi
vii	iiii	xxvii	xliii	lix
viii	v	xviii	xxx	xxiii
ix	vi	vii	xvi	xlvii
x	vii	τ	ix	xxxv
xi	vii	xix	lv	lviii
xii	viii	ix	xlii	xxii
xiii	ix	ii	xxxv	x
xiiii	ix	xxii	xxi	xxxiiii
xv	x	xii	vii	lviii
xvi	xi	v	τ	xlvi
xvii	xi	xxiiii	xlvii	x
xviii	xii	xvii	xxxix	lvii
xix	i	vii	xxvi	xxi
xx	i	xxvii	xii	xlv
xxi	ii	xx	v	xxxiii
xxii	iii	ix	li	lvii
xxiii	iii	xxix	xxxviii	xxi
xxiiii	iiii	xxii	xxxi	ix
xxv	v	xii	xviii	xxxiii
xxvi	vi	v	x	xx
xxvii	vi	xxiiii	lvi	xliiii
xxviii	vii	xiiii	xliii	viii
xxix	viii	vii	xxxv	lvi
xxx	viii	xxxvii	xxii	xx

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	Sig Gra / Sig Gra	Gra min min	Gra min min	Gra min min	Gra min min
			dus τ ε τ ι ε	dus τ ε τ ι ε	dus τ ε τ ι ε
Elmu		i τ iii vi xviii	i τ τ vi xlvi	ii τ τ τ xv	Radix vii xviii xlvii xxxviii
	iii iii xii iiii				
barra		ii τ vi xii xlviii	ii τ τ xii xxii	iiii τ τ τ xxxi	xxx ii xvii xv xxi
Za		iii τ ix xix xii	iii τ τ xxiii xviii	vi τ τ τ xlvii	lx ix x xliii iiii
	vi iii xvii xliiii				
Far		iiii τ xii xxv xxxvii	iiii τ τ xxxi iiii	viii τ τ i ii	xc iiii iiii x xlii
Rabe		v τ xv xxiii i	v τ τ xxxviii l	x τ τ i xviii	cxx x xxviii xxxviii xxix
	ix vi xxix xlviii				
dalxel		vi τ xviii xxvi xxv	vi τ τ xlvi xxvi	xii τ τ i xxxiii	cl v xxi vi xi
Rabe		vii τ xxi xliii xlix	vii τ τ liiii xxii	xiiii τ τ i xlix	clxxx τ xiiii xxxiii liiii
	τ vi xxv xxviii				
dalxbir		viii τ xxiii lii xiiii	viii τ i ii viii	xvi τ τ ii iiii	ccx vii viii i xxxvii
iumedi		ix τ xxvii lviii xxxvii	ix τ i ix xxiiii	xviii τ τ ii xx	ccxl ii i xxix xix
	iii ix xlviii xxxii				
dalxel		x i i iiii i	x τ i xvii xl	xx τ τ ii xxxv	cclxx viii xxiiii lviii ii
iumedi		xi i iiii x xxv	xi τ i xxv xxvi	xxii τ τ ii l	ccc iii xviii xxiii xlv
	vi ix liii xii				
dalxbir		xii i vii xvi l	xii τ i xxxiii xii	xxiiii τ τ iii vi	cccxxx x xi lii xxviii
Re		xiii i x xxiii xxiii	xiii τ i xl lviii	xxvi τ τ iii xxii	ccclx v v xx x
	ix xiii v xvi				
Geb		xiiii i xiii xxix xxxviii	xiiii τ i xlviii xliiii	xxviii τ τ iii xxxvii	cccxc xi xxviii xlviii lii
Sha		xv i xvi xxxvi ii	xv τ i lvi xxx	xxx τ τ iii liii	ccccxx vi xxii xxv xxxv
	τ xiii x lvi				
bin		xvi i xix xlii xxvi	xvi τ ii iiii xvi	xxxii τ τ iiii ix	ccccl i xv xliii xviii
Ram		xvii i xxii xlviii l	xviii τ ii xii ii	xxxiiii τ τ iiii xxiiii	cccclxxx viii ix xi τ
	iii xvi xxiii τ				
than		xviii i xxv lv xiiii	xviii τ ii xix xlviii	xxxvi τ τ iiii xl	dx iii ii xxxvi xlii
Sha		xix i xxix i xxxix	xix τ ii xxvii xxxiiii	xxxviii τ τ iiii lv	dxl ix xxvi vi xxv
	vi xvi xxviii xl				
Wel		xx ii ii viii iii	xx τ ii xxxv xx	xl τ τ v xi	dlxx iiii xix xxxiii vii
Dul		xxi ii vi xiiii xxvii	xxi τ ii xliii v	xlii τ τ v xxvi	
	ix xix xl xliiii				
heda		xxii ii viii xx	xxii τ ii l lii	xliiii τ τ v xlii	
Dul		xxiii ii xi xxvii xv	xxiii τ ii lviii xxxviii	xlvi τ τ v lvii	
	τ xix xlvi xxiiii				
heia		xxiiii ii xiiii xxxiii xxix	xxiiii τ iii vi xxiiii	xlviii τ τ vi xiii	
		xxv ii xvii xl iii		l τ τ vi xxviii	
		xxvi ii xx xlvi xvii		lii τ τ vi xliiii	
		xxvii ii xxiii lii lii		liiii τ τ vi lix	
		xxviii ii xxvi lix xvi		lvi τ τ vii xv	
		xxix iii τ v xl		lviii τ τ vii xxx	
		xxx iii iii xii iiii		lx τ τ vii xlv	

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i	τ	xviii	xlv	xlv	dmu
ii	i	vii	xxxiiii	xli	hanī
iii	i	xxvi	xx	xxvi	za
iiii	ii	xv	vi	xii	far
v	iii	iii	lv	viii	ka
vi	iii	xxii	xl	liiii	be
vii	iiii	ix	xxix	li	ka
viii	v	τ	xv	xxxvi	be
ix	v	xix	i	xxii	iu
x	vi	vii	l	xvii	medi
xi	vi	xxvi	xxxvi	iii	iv
xii	vii	xv	xxi	xlviii	medi
xiii	viii	iiii	x	xliiii	ke
xiiii	viii	xxii	lvi	xxix	geb
xv	ix	xi	xlii	xvi	sha
xvi	x	τ	xxxi	xii	bin
xvii	x	xix	xvi	lviii	kam
xviii	xi	viii	v	xiii	than
xix	xi	xxvi	li	xxxix	sha
xx	τ	xv	xxxviii	xxiiii	wel
xxi	i	iiii	xxvi	xx	dul
xxii	i	xxiii	xii	v	keda
xxiii	ii	xi	lvii	lii	dul
xxiiii	iii	τ	xlvi	xlviii	hela
xxv	iii	xix	xxxii	xxxiii	
xxvi	iiii	viii	xxi	xxix	
xxvii	iiii	xxvii	vii	xiiii	
xxviii	v	xv	liii	i	
xxix	vi	iiii	xli	lvii	
xxx	vi	xxiii	xxvii	xliii	

τ	i	xxxv	xxiiii
τ	iii	vii	xxxvii
τ	iiii	xliii	i
τ	vi	xv	xxxv
τ	vii	l	xxxix
τ	ix	xxii	lii
τ	x	lviii	xvi
τ	xii	xxx	xxx
τ	xiiii	v	liiii
τ	xv	xxxviii	vii
τ	xvii	xiii	xxxi
τ	xviii	xlv	xlv

i	τ	τ	iii	xi
ii	τ	τ	vi	xxii
iii	τ		ix	xxxii
iiii	τ		xii	xliii
v			xv	liiii
vi			xix	v
vii			xxii	xvi
viii			xxv	xxvi
ix			xxvii	xxxvii
x			xxxi	xlviii
xi			xxxiiii	lix
xii			xxxviii	x
xiii	τ		xli	xxi
xiiii	τ		xliiii	xxxi
xv			xlvii	xlii
xvi			l	liii
xvii		τ	liiii	iiii
xviii		τ	lvii	xv
xix		i	τ	xxv
xx		i	iii	xxxvi
xxi		i	vi	xlvii
xxii		i	ix	xlviii
xxiii		i	xiii	ix
xxiiii		i	xvi	xix
xxv		i	xix	xxx
xxvi		i	xxii	xli
xxvii		i	xxv	lii
xxviii		i	xxix	iii
xxix	τ	i	xxxiii	xiiii
xxx	τ	i	xxxv	xxiiii

i	τ	τ	τ	viii
ii	τ	τ	τ	xvi
iii			τ	xxiii
iiii			τ	xxxii
v			τ	xl
vi			τ	xlviii
vii			τ	lvi
viii			i	iiii
ix			i	xii
x			i	xix
xi			i	xxvii
xii			i	xxxv
xiii	τ	τ	i	xliii
xiiii	τ	τ	i	li
xv			i	lix
xvi			ii	vii
xvii			ii	xv
xviii			ii	xxiii
xix			ii	xxxi
xx			ii	xxxix
xxi			ii	xlvii
xxii			ii	lv
xxiii	τ	τ	iii	iii
xxiiii	τ	τ	iii	xi

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SIG GRA		SIG GRA			GRA MINV MINV				GRA MINV MINV			GRA MINV MINV			GRA MINV MINV		
[illegible]		[illegible]			DVS T E T I E				DVS T E T I E			DVS T E T I E			DVS T E T I E.		
ii	ō	ō	ō	xvi	ō	i	xi	xxix	ō	ii	xvii	ō	v	i	ō	xxiiii	xvi	ō	iiii	xlii
iiii	ō	ō	ō	xxxi	ō	ii	xi	xxviii	ō	iiii	xxxiii	ō	x	ii	ō	xlviii	xxxi	ō	ix	xxv
vi	ō	ō	ō	xlviii	ō	iii	xi	xxvii	ō	vi	xlix	ō	xv	iii	i	xii	xlv	ō	xiiii	viii
viii	ō	ō	i	iiii	ō	iiii	xi	xxvi	ō	ix	v	ō	xx	iiii	i	xxxvi	lix	ō	xviii	l
x	ō	ō	i	xix	ō	v	xi	xxv	ō	xi	xxi	ō	xxv	iiii	ii	i	xi	ō	xxiii	xxxi
xii	ō	ō	i	xxxv	ō	vi	xi	xxiiii	ō	xiii	xxxvii	ō	xxx	iiii	ii	xxv	xx	ō	xxviii	xii
xiiii	ō	ō	i	li	ō	vii	xi	xxiii	ō	xv	liii	ō	xxxv	iii	iii	xlix	xxii	ō	xxxii	liiii
xvi	ō	ō	ii	vii	ō	viii	xi	xxii	ō	xviii	vii	ō	xl	ii	iii	xiii	xxxiiii	ō	xxxvii	xxxv
xviii	ō	ō	ii	xxiii	ō	viiii	xi	xxi	ō	xx	xxii	ō	xlv	ō	iii	xxxvii	xxxv	ō	xlii	xiiii
xx	ō	ō	ii	xxxix	ō	x	xi	xx	ō	xxii	xxxvii	ō	xlix	lviii	iiii	i	xxxiiii	ō	xlvi	liii
xxii	ō	ō	ii	lv	ō	xi	xi	xix	ō	xxiiii	lii	ō	liiii	lv	iiii	xxv	xxxix	ō	li	xxxii
xxiiii	ō	ō	iii	xi	ō	xii	xi	xviii	ō	xxvii	vi	ō	lix	li	iiii	xlix	xx	ō	lvi	ix
xxvi	ō	ō	iii	xxvii	ō	xiii	xi	xvii	ō	xxix	xix	i	iiii	xlvii	v	xiii	l	i	ō	xlv
xxviii	ō	ō	iii	xliii	ō	xiiii	xi	xvi	ō	xxxi	xxxii	i	ix	xl	v	xxxvi	xlviii	i	v	xviii
xxx	ō	ō	iii	lviii	ō	xv	xi	xv	ō	xxxiii	xlv	i	xiiii	xxxiii	vi	ō	xxxv	i	ix	lii
xxxii	ō	ō	iiii	xiiii	ō	xvi	xi	xiiii	ō	xxxv	lvii	i	xix	xxv	vi	xxiii	lvii	i	xiiii	xxiiii
xxxiiii	ō	ō	iiii	xxx	ō	xvii	xi	xiii	ō	xxxviii	ix	i	xxiiii	xvi	vi	xlvi	xxi	i	xviii	lvi
xxxvi	ō	ō	iiii	xlvi	ō	xviii	xi	xii	ō	xl	xx	i	xxix	v	vii	x	xl	i	xxiii	xxvi
xxxviii	ō	ō	v	ii	ō	xix	xi	xi	ō	xlii	xxx	i	xxxiii	liii	vii	xxxiii	lii	i	xxvii	liiii
xl	ō	ō	v	xviii	ō	xx	xi	x	ō	xliiii	xl	i	xxxviii	xxxix	vii	lvi	lvi	i	xxxii	xx
xlii	ō	ō	v	xxxiiii	ō	xxi	xi	ix	ō	xlvi	xlix	i	xliii	xxiii	viii	xix	liiii	i	xxxvi	xlvii
xliiii	ō	ō	v	l	ō	xxii	xi	viii	ō	xlviii	lviii	i	xlviii	v	viii	xlii	xliiii	i	xli	viii
xlvi	ō	ō	vi	vi	ō	xxiii	xi	vii	ō	li	v	i	lii	xlix	ix	v	xxxv	i	xlv	xxix
xlviii	ō	ō	vi	xxii	ō	xxiiii	xi	vi	ō	liii	xi	i	lvii	xxx	ix	xxvii	lvii	i	xlix	xlviii
l	ō	ō	vi	xxxviii	ō	xxv	xi	v	ō	lv	xvii	ii	ii	vii	ix	l	xxi	i	liiii	v
lii	ō	ō	vi	liiii	ō	xxvi	xi	iiii	ō	lvii	xxii	ii	vi	xliii	x	xii	xxxvi	i	lviii	xxi
liiii	ō	ō	vii	x	ō	xxvii	xi	iii	ō	lix	xxvi	ii	xi	xvii	x	xxxiiii	xl	ii	ii	xxxiii
lvi	ō	ō	vii	xxvi	ō	xxviii	xi	ii	ō	i	xxix	ii	xv	xlix	x	lvi	xxxv	ii	v	xlv
lviii	ō	ō	vii	xlii	ō	xxix	xi	i	ō	iii	xxxi	ii	xx	xviii	xi	xviii	xvii	ii	x	liii
lx	ō	ō	vii	lviii	ō	xxx	xi	ō	ō	v	xxxii	ii	xxiiii	xlvi	xi	xxxix	l	ii	xv	ō

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i	i	x	xxix	i	vii	xxxii	ii	xxix	vi	xii	i	xi	ii	xix	iii
i	ii	x	xxviii	i	ix	xxxii	ii	xxxiii	xxxiiii	xii	xxi	xxiii	ii	xxiii	iii
i	iii	x	xxvii	i	xi	xxix	ii	xxxvii	liii	xii	xliii	xx	ii	xxvii	iii
i	iiii	x	xxvi	i	xiii	xxv	ii	xlii	iiii	xiii	iiii	v	ii	xxx	lix
i	v	x	xxv	i	xv	xxi	ii	xlvi	xxvi	xiii	xxiiii	xxxix	ii	xxxiiii	liii
i	vi	x	xxiiii	i	xvii	xv	ii	l	xxxviii	xiii	xliiii	lvii	ii	xxxviii	xlii
i	vii	x	xxiii	i	xix	viii	ii	liiii	xlvii	xiiii	v	i	ii	xlii	xxix
i	viii	x	xxii	i	xxi	ó	ii	lviii	l	xiiii	xxiiii	xxxiiii	ii	xlvi	xii
i	ix	x	xxi	i	xxiii	l	iii	ii	lviii	xiiii	xlviii	xxxi	ii	xlix	liii
i	x	x	xx	i	xxiiii	xxxviii	iii	vi	lv	xv	iii	lii	ii	liii	lii
i	xi	x	xix	i	xxvi	xxvi	iii	x	lii	xv	xxiii	i	iii	lvii	xi
i	xii	x	xviii	i	xxviii	xii	iii	xiiii	xlix	xv	xli	lii	iii	ó	xl
i	xiii	x	xvii	i	xxix	lvii	iii	xviii	xl	xvi	ō	xxvi	iii	iiii	viii
i	xiiii	x	xvi	i	xxxi	xxxvi	iii	xxii	xxviii	xvi	xviii	xlvii	iii	vii	xxxi
i	xv	x	xv	i	xxxiii	xxi	iii	xxvi	xi	xvi	xxxvi	xlix	iii	x	xiiii
i	xvi	x	xiiii	i	xxxv	ó	iii	xxix	li	xvi	liiii	xxxiii	iii	xiiii	xiii
i	xvii	x	xiii	i	xxxvi	xxxix	iii	xxxiii	xxix	xvi	xii	iii	iii	xvii	xxvii
i	xviii	x	xii	i	xxxviii	xliii	iii	xxxvii	ii	xvi	xxix	liiii	iii	xx	xxxviii
i	xix	x	xi	i	xxxix	xlviii	iii	xl	xxxi	xvi	xlvi	vi	iii	xxiii	xlv
i	xx	x	x	i	xli	xviii	iii	xliii	lviii	xvii	ii	xlv	iii	xxvi	xlviii
i	xxi	x	ix	i	xlii	liiii	iii	xlvii	xviii	xvii	lviii	li	iii	xxix	xlix
i	xxii	x	viii	i	xliiii	xxiiii	iii	l	xxxvi	xvii	xxxiiii	xlix	iii	xxxii	xlvii
i	xxiii	x	vii	i	xlv	lii	iiii	liii	xlix	xvii	l	xxiii	iii	xxxv	xxxviii
i	xxiiii	x	vi	i	xlviii	xvii	iiii	lvii	ó	xviii	v	xlvi	iii	xxxviii	xxv
i	xxv	x	v	i	xlviiii	xli	iiii	ō	iiii	xviii	xx	xxxv	iii	xli	ix
i	xxvi	x	iiii	i	l	iii	iiii	iii	v	xviii	xxxv	x	iii	xliii	xlix
i	xxvii	x	iii	i	li	xxii	iiii	vi	i	xviii	xlix	xxii	iii	xlvi	xxvi
i	xxviii	x	ii	i	lii	xl	iiii	viii	liii	xviii	iii	lv	iii	xlviii	lvii
i	xxix	x	i	i	liii	lvi	iiii	xi	xli	xix	xvi	xlv	iii	li	xxv
i	ō	x	ō	i	lv	x	iiii	xiii	xxiii	xix	xxix	l	iii	liii	li

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Sig	gra	Sig	gra	Gra	minu	minu	Gra	minu	minu	Gra	minu	minu	Gra	minu	minu
na	dus	na	dus	dus	tę	tię	dus	tę	tię	dus	tę	tię	dus	tę	tię
ii	i	ix	xxix	ii	lvi	xxi	iiii	xvii	ii	xx	xlii	xxxix	iii	lvi	x
ii	ii	ix	xxviii	ii	lviii	õ	iiii	xix	xxxvi	xx	lv	õ	iii	lviii	xxv
ii	iii	ix	xxvii	ii	lviii	xxxix	iiii	xxii	v	xxi	vii	ii	iiii	õ	xxxiiii
ii	iiii	ix	xxvi	ii	lix	xliiii	iiii	xxiiii	xxix	xxi	xviii	xxxix	iiii	ii	xl
ii	v	ix	xxv	ii	õ	xlvii	iiii	xxvi	xlviii	xxi	xxix	lii	iiii	iiii	xlii
ii	vi	ix	xxiiii	ii	i	xlviii	iiii	xxix	iii	xxi	xl	xli	iiii	vi	xxxix
ii	vii	ix	xxiii	ii	ii	xlvi	iiii	xxxi	xii	xxi	li	v	iiii	viii	xxxii
ii	viii	ix	xxii	ii	iii	xlii	iiii	xxxiii	xvi	xxii	i	iiii	iiii	x	xx
ii	ix	ix	xxi	ii	iiii	xxxvi	iiii	xxxv	xv	xxii	x	xlii	iiii	xii	xx
ii	x	ix	xx	ii	v	xxviii	iiii	xxxvii	ix	xxii	xix	liii	iiii	xiii	xliii
ii	xi	ix	xix	ii	vi	xviii	iiii	xxxviii	lviii	xxii	xxviii	xxxix	iiii	xv	xvi
ii	xii	ix	xviii	ii	vii	iiii	iiii	xl	xlii	xxii	xxxvii	õ	iiii	xvi	xliiii
ii	xiii	ix	xvii	ii	vii	xlviii	iiii	xlii	xix	xxii	xliiii	lii	iiii	xviii	x
ii	xiiii	ix	xvi	ii	viii	xxx	iiii	xliii	xii	xxii	lii	xx	iiii	xix	xxix
ii	xv	ix	xv	ii	ix	x	iiii	xlv	xx	xxiii	lix	xxiiii	iiii	xx	xlv
ii	xvi	ix	xiiii	ii	x	xlvi	iiii	xlvi	xl	xxiii	v	lii	iiii	xxi	lviii
ii	xvii	ix	xiii	ii	x	xxii	iiii	xlvii	lviii	xxiii	xii	viii	iiii	xxiii	iiii
ii	xviii	ix	xii	ii	x	liiii	iiii	xlix	ix	xxiii	xvii	lii	iiii	xxiiii	v
ii	xix	ix	xi	ii	xi	xxiiii	iiii	l	iii	xxiii	xxiii	ix	iiii	xxv	iii
ii	xx	ix	x	ii	xi	xliiii	iiii	l	lix	xxiii	xxvii	lviii	iiii	xxv	lv
ii	xxi	ix	ix	ii	xii	xv	iiii	li	xliii	xxiii	xxxii	xx	iiii	xxvi	xl
ii	xxii	ix	viii	ii	xii	xxxvii	iiii	lii	xxxvii	xxiii	xxxvi	xv	iiii	xxvii	xxi
ii	xxiii	ix	vii	ii	xii	lvii	iiii	liii	xl	xxiii	xxxix	xlii	iiii	xxvii	lvii
ii	xxiiii	ix	vi	ii	xiii	xv	iiii	liiii	xvii	xxiii	xlii	xlii	iiii	xxviii	xxxi
ii	xxv	ix	v	ii	xiii	xxviii	iiii	lv	xii	xxiii	xlv	xvi	iiii	xxviii	lviii
ii	xxvi	ix	iiii	ii	xiii	xxxix	iiii	lv	xiiii	xxiii	xlvii	xviii	iiii	xxix	xx
ii	xxvii	ix	iii	ii	xiii	xlix	iiii	lv	xxxiiii	xxiii	xlviii	lv	iiii	xxix	xxxviii
ii	xxviii	ix	ii	ii	xiii	lv	iiii	lv	xlix	xxiii	l	v	iiii	xxix	xlix
ii	xxix	ix	i	ii	xiii	lix	iiii	lv	lviii	xxiii	l	xlvii	iiii	xxix	lvi
ii	õ	ix	õ	ii	xiiii	õ	iiii	lvi	õ	xxiii	li	õ	iiii	xxx	õ

… gra	dio gra	Gra	minu	minu	Gra	minu	minu	Gra	minu	minu	Gra	minu	minu
ha dus	ha dus	dus	t e	t i e	dus	t e	t i e	dus	t e	t i e	dus	t e.	t i e.
iii i	viii xxix	ii	xiii	lix	iiii	lv	lviii	xxiii	l	xlvii	iiii	xxix	lvi
iii ii	viii xxviii	ii	xiii	lv	iiii	lv	xlix	xxiii	l	v	iiii	xxix	xlix
iii iii	viii xxvii	ii	xiii	xlix	iiii	lv	xxxiiii	xxiii	xlviii	lv	iiii	xxix	xxxviii
iii iiii	viii xxvi	ii	xiii	xxxix	iiii	lv	xiiii	xxiii	xlvii	xviii	iiii	xxix	xx
iii v	viii xxv	ii	xiii	xxxiiii	iiii	lv	lii	xxiii	xlv	xvi	iiii	xxviii	lviii
iii vi	viii xxiiii	ii	xiii	xiiii	iiii	lv	xvii	xxiii	xlii	xlii	iiii	xxviii	xxxi
iii vii	viii xxiii	ii	xii	lvii	iiii	lv	xl	xxiii	xxxix	xlii	iiii	xxvii	lvi
iii viii	viii xxii	ii	xii	lvii	iiii	lv	xxxvi	xxiii	xxxvi	xv	iiii	xxvii	xxi
iii viiii	viii xxi	ii	xii	xv	iiii	lv	xliii	xxiii	xxxii	xx	iiii	xxvi	xl
iii x	viii xx	ii	xi	xliiii	iiii	l	lix	xxiii	xxvii	lviii	iiii	xxv	lv
iii xi	viii xix	ii	xi	xxiiii	iiii	l	iii	xxiii	xxiii	ix	iiii	xxv	iii
iii xii	viii xviii	ii	x	liiii	iiii	xlix	ix	xxiii	xvii	lii	iiii	xxiiii	v
iii xiii	viii xvii	ii	x	xxii	iiii	xlvii	lviii	xxiii	xii	viii	iiii	xxiii	iiii
iii xiiii	viii xvi	ii	ix	xlvi	iiii	xlvi	viii	xxiii	v	lii	iiii	xxi	lviii
iii xv	viii xv	ii	ix	x	iiii	xlv	xx	xxii	lix	xxiiii	iiii	xx	xlv
iii xvi	viii xiiii	ii	viii	xx	iiii	xliii	lii	xxii	lii	xx	iiii	xix	xxix
iii xvii	viii xiii	ii	vii	xlviii	iiii	xlii	xix	xxii	xliiii	lii	iiii	xviii	x
iii xviii	viii xii	ii	vii	iiii	iiii	xl	xlii	xxii	xxvii	ō	iiii	xvi	xliiii
iii xix	viii xi	ii	vi	xviii	iiii	xxxviii	lviii	xxii	xxviii	xix	iiii	xv	xvi
iii xx	viii x	ii	v	xxviii	iiii	xxxvii	ix	xxii	xix	xviii	iiii	xiii	xliii
iii xxi	viii ix	ii	iiii	xxxvii	iiii	xxxv	xv	xxii	x	xlii	iiii	xii	iiii
iii xxii	viii viii	ii	iii	xlii	iiii	xxxiii	xvi	xxii	i	iiii	iiii	x	xx
iii xxiii	viii vii	ii	ii	xlvi	iiii	xxxi	xviii	xxi	li	v	iiii	viii	xxx
iii xxiiii	viii vi	ii	i	xlviii	iiii	xxix	iii	xxi	xl	xli	iiii	vi	xxxix
iii xxv	viii v	ii	ō	xlvii	iiii	xxvi	xlviii	xxi	xxix	lii	iiii	iiii	xlii
iii xxvi	viii iiii	ii	lix	xliiii	iiii	xxiiii	xxix	xxi	xviii	xxxix	iiii	ii	xl
iii xxvii	viii iii	i	lviii	xxxix	iiii	xxii	v	xxi	vii	ii	iiii	ō	xxxiiii
iii xxviii	viii ii	i	lvii	xxx	iiii	xix	xxxvi	xx	lv	ō	iii	lviii	xxv
iii xxix	viii i	i	lvi	xxi	iiii	xvi	ii	xx	xlii	xxxix	iii	lvii	x
iii ō	viii ō	i	lv	x	iii	xiiii	xxiiii	xx	xxix	l	iii	liii	li

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SIG NA	GRA DUS	SIG NA	GRA DUS	GRA DUS	MINU TE	MINU TIE	GRA DUS	MINU TE	MINU TIE	GRA DUS	MINU TE	MINU TIE	GRA DUS	MINU TE	MINU TIE
iiii	i	vii	xxix	i	liii	lvi	iiii	xi	xli	xx	xvi	xlv	iii	li	xxv
iiii	ii	vii	xxviii	i	lii	xl	iiii	viii	liii	xx	iiii	xiiii	iii	xlviii	lvii
iiii	iii	vii	xxvii	i	li	xxii	iiii	vi	l	xix	xlix	xxii	iii	xlvi	xxvi
iiii	iiii	vii	xxvi	i	l	iii	iiii	iii	v	xix	xxxv	x	iii	xliiii	xlix
iiii	v	vii	xxv	i	xlviii	xli	iiii	o	iiii	xix	xx	xxxv	iii	xlii	ix
iiii	vi	vii	xxiiii	i	xlvii	xvii	iii	lvii	o	xix	v	xlvi	iii	xxxviii	xxv
iiii	vii	vii	xxiii	i	xlv	lii	iii	liii	xlix	xviii	l	xxiiii	iii	xxxv	xxxviii
iiii	viii	vii	xxii	i	xliiii	xxiiii	iii	l	xxxvi	xviii	xxxv	xlix	iii	xxxii	xlvii
iiii	ix	vii	xxi	i	xlii	liiii	iii	xlvii	xviii	xviii	xviii	li	iii	xxix	xlix
iiii	x	vii	xx	i	xli	xxiii	iii	xliii	lviii	xviii	ii	xlv	iii	xxvi	xlviii
iiii	xi	vii	xix	i	xxxix	xlviii	iii	xl	xxxi	xvii	xlvi	vi	iii	xxiii	xlv
iiii	xii	vii	xviii	i	xxxviii	xviii	iii	xxxviii	ii	xvii	xxix	xiiii	iii	xx	xxxviii
iiii	xiii	vii	xvii	i	xxxvi	xxxix	iii	xxxiii	xxix	xvii	xii	iii	iii	xvii	xxvii
iiii	xiiii	vii	xvi	i	xxxv	o	iii	xxix	li	xvi	liiii	xxxiii	iii	xiii	lviii
iiii	xv	vii	xv	i	xxxiii	xxi	iii	xxvi	xi	xvi	xlvi	xlix	iii	x	liiii
iiii	xvi	vii	xiiii	i	xxxi	xxxix	iii	xxii	xxviii	xvi	xviii	xlvii	iii	vii	xxxi
iiii	xvii	vii	xiii	i	xxix	lvi	iii	xviii	xl	xvi	o	xxvi	iii	iiii	viii
iiii	xviii	vii	xii	i	xxviii	xii	iii	xiiii	xlix	xv	xli	lii	iii	o	xl
iiii	xix	vii	xi	i	xxvii	xxvi	iii	x	xii	xv	xxiii	i	ii	lvii	xi
iiii	xx	vii	x	i	xxiiii	xxxviii	iii	vi	lviii	xv	iii	lii	ii	liii	lii
iiii	xxi	vii	ix	i	xxii	l	iii	ii	lviii	xiiii	xliiii	xxxi	ii	xlix	liii
iiii	xxii	vii	viii	i	xxi	o	iii	lix	l	xiiii	xxiiii	liiii	ii	xlvi	xii
iiii	xxiii	vii	vii	i	xix	viii	iii	liiii	xlvii	xiiii	v	i	ii	xlii	xxix
iiii	xxiiii	vii	vi	i	xvii	xii	ii	l	xxxviii	xiiii	xliiii	lii	ii	xxxviii	xlii
iiii	xxv	vii	v	i	xv	xxi	ii	xlvi	xxvi	xiii	xxiiii	xxxviii	ii	xxxiiii	liii
iiii	xxvi	vii	iiii	i	xiii	xxvi	ii	xlii	vii	xiii	iiii	v	ii	xxx	lix
iiii	xxvii	vii	iii	i	xi	xxix	ii	xxxvii	liii	xii	xliii	xx	ii	xxviii	iii
iiii	xxviii	vii	ii	i	ix	xxxii	ii	xxxiii	xxxiiii	xii	xxii	x	ii	xxiii	iiii
	xxix	vii	i	i	vii	xxxii	ii	xxix	vi	xii	i	xi	ii	xix	iii
v	o	vii	o	i	v	xxxii	ii	xxiiii	xlvi	xii	xxxix	l	ii	xv	o

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SIGNA	GRADUS	SIGNA	GRADUS	GRADUS	MINV TE	MINV TE I E	GRADUS	MINV TE	MINV TE I E	GRADUS	MINV TE	MINV TE I E	GRADUS	MINV TE	MINV TE I E
v	i	vi	xxix	i	iii	xxxi	ii	xx	xviii	xi	xviii	xvii	ii	x	liii
v	ii	vi	xxviii	i	i	xxix	ii	xv	xlix	x	lvi	xxxv	ii	vi	xlv
v	iii	vi	xxvii	ō	lix	xxvi	ii	xi	xvii	x	xxxiiii	xl	ii	ii	xxxiii
v	iiii	vi	xxvi	ō	lvii	xxii	ii	vi	liii	x	xii	xxxvii	i	lviii	xxi
v	v	vi	xxv	ō	lv	xvii	ii	ii	l	ix	i	xxi	i	liiii	v
v	vi	vi	xxiiii	ō	liii	xi	i	lvii	xxxii	ix	xxvii	xvii	i	xlix	xlviii
v	vii	vi	xxiii	ō	li	v	i	lii	xlix	ix	v	xxv	i	xlv	xxix
v	viii	vi	xxii	ō	lviii	lviii	i	xlviii	x	viii	xlii	xlv	i	xli	viii
v	ix	vi	xxi	ō	xlvi	xlix	i	xliii	xxxii	viii	xviii	liiii	i	xxxvi	xlvii
v	x	vi	xx	ō	xliiii	xl	i	xxxviii	xxxix	vii	lvi	lvi	i	xxii	xx
v	xi	vi	xix	ō	xlii	xxx	i	xxxiii	liii	vii	xxxiii	lii	i	xxvii	liiii
v	xii	vi	xviii	ō	xl	xx	i	xxix	v	vii	x	l	i	xxiii	xxv
v	xiii	vi	xvii	ō	xxxviii	ix	i	xxiiii	xvi	vi	xlvii	xxi	i	xviii	lvi
v	xiiii	vi	xvi	ō	xxxv	lvii	i	xix	xxv	vi	xviii	lvii	i	xiiii	xxiiii
v	xv	vi	xv	ō	xxxiii	xlv	i	xiiii	xxxiii	vi	ō	xxv	i	ix	lii
v	xvi	vi	xiiii	ō	xxxi	xxxii	i	ix	xl	v	xxxvi	xlviii	i	v	xviii
v	xvii	vi	xiii	ō	xxix	xix	i	iiii	xlvi	v	xiii	l	i	ō	xlv
v	xviii	vi	xii	ō	xxvii	vi	ō	lix	li	iiii	xlix	xx	ō	lvi	ix
v	xix	vi	xi	ō	xxiiii	lii	ō	liiii	lv	iiii	xxv	xxv	ō	li	xxxii
v	xx	vi	x	ō	xxii	xxxvii	ō	xlix	lviii	iiii	i	xxxiiii	ō	xlvi	xviii
v	xxi	vi	ix	ō	xx	xxii	ō	xlv	ō	iii	xxxvii	xxxv	ō	xlii	xiiii
v	xxii	vi	viii	ō	xviii	viii	ō	xl	ii	iii	xiii	xxxiiii	ō	xxxviii	xxxv
v	xxiii	vi	vii	ō	xv	lii	ō	xxxv	iii	ii	xlix	xxii	ō	xxxii	liiii
v	xxiiii	vi	vi	ō	xiii	xxxvii	ō	xxx	iiii	ii	xxv	xx	ō	xxviii	xii
v	xxv	vi	v	ō	xi	xxi	ō	xxv	iiii	ii	i	xl	ō	xxiii	xxxi
v	xxvi	vi	iiii	ō	ix	v	ō	xx	iiii	i	xxxvi	lix	ō	xviii	l
v	xxvii	vi	iii	ō	vi	xlix	ō	xv	iii	i	xii	xlv	ō	xiiii	viii
v	xxviii	vi	ii	ō	iiii	xxxiii	ō	xx	iii	ō	xlviii	xxxi	ō	ix	xxv
v	xxix	vi	i	ō	ii	xvii	ō	v	i	ō	xxiiii	xvi	ō	iiii	xii
v	ō	vi	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō

sig gra na dus	sig gra na dus	sig gra minu na dus t e	gra minu dus t e	gra minu dus t e	sig gra minu na dus t e	gra minu dus t e	gra minu minu dus t e t i e
ō i	xi xxix	viii iiii liii	ō v	ō viii	iii xxii xliiii	i xxxiii	ō v xiiii
ō ii	xi xxviii	viii iiii l	ō xi	ō xvii	iii xxii xliiii	i xxxii	ō x xxviii
ō iii	xi xxvii	viii iiii xlvii	ō xvi	ō xxvi	iii xxii xliiii	i xxxii	ō xv xlii
ō iiii	xi xxvi	viii iiii xliiii	ō xxii	ō xxxv	iii xxii xlv	i xxxi	ō xx lvi
ō v	xi xxv	viii iiii xli	ō xxvii	ō xliiii	iii xxii xlv	i xxxi	ō xxvi ix
ō vi	xi xxiiii	viii iiii xxxix	ō xxxiii	ō liii	iii xxii xlv	i xxx	ō xxxi xxi
ō vii	xi xxiii	viii iiii xxxvi	ō xxxviii	i ii	iii xxii xlvi	i xxx	ō xxxvi xxxiii
ō viii	xi xxii	viii iiii xxxiii	ō xliiii	i x	iii xxii xlvi	i xxix	ō xli xlv
ō ix	xi xxi	viii iiii xxxi	ō xlviii	i xix	iii xxii xlvi	i xxix	ō xlvi lvi
ō x	xi xx	viii iiii xxvii	ō liiii	i xxviii	iii xxii xlvi	i xxviii	ō lii vi
ō xi	xi xix	viii iiii xxvi	ō lix	i xxxvii	iii xxii xlvii	i xxviii	ō lvii xv
ō xii	xi xviii	viii iiii xxiii	i v	i xlvi	iii xxii xlvii	i xxvii	i ii xxii
ō xiii	xi xvii	viii iiii xx	i x	ii lv	iii xxii xlvii	i xxvii	i vii xxix
ō xiiii	xi xvi	viii iiii xviii	i xv	ii iiii	iii xxii xlviii	i xxvi	i xii xxxv
ō xv	xi xv	viii iiii xv	i xxi	ii xiii	iii xxii xlviii	i xxvi	i xvii xxxix
ō xvi	xi xiiii	viii iiii xii	i xxvii	ii xxii	iii xxii xlviii	i xxv	i xxii xli
ō xvii	xi xiii	viii iiii x	i xxxi	ii xxxi	iii xxii xlix	i xxv	i xxvii xliii
ō xviii	xi xii	viii iiii vii	i xxxvi	ii xxxviii	iii xxii xlix	i xxv	i xxxii xlii
ō xix	xi xi	viii iiii v	i xli	ii xlvi	iii xxii l	i xxv	i xxxvii xl
ō xx	xi x	viii iiii ii	i xlvi	ii liiii	iii xxii l	i xxv	i xlii xxxvi
ō xxi	xi ix	viii iii lix	i lii	iii iii	iii xxii li	i xxv	i xlvii xxxi
ō xxii	xi viii	viii iii lvii	i lvii	iii xi	iii xxii li	i xxv	i lii xxiii
ō xxiii	xi vii	viii iii liiii	ii ii	iii xix	iii xxii lii	i xxv	i lvii xiii
ō xxiiii	xi vi	viii iii li	ii vii	iii xxviii	iii xxii lii	i xxv	ii ii i
ō xxv	xi v	viii iii xlix	ii xii	iii xxxvi	iii xxii liii	i xxiiii	ii vi xlvii
ō xxvi	xi iiii	viii iii xlvi	ii xvii	iii xliiii	iii xxii liii	i xxiiii	ii xi xxxi
ō xxvii	xi iii	viii iii xliiii	ii xxii	iii lii	iii xxii liiii	i xxiiii	ii xvi xii
ō xxviii	xi ii	viii iii xlii	ii xxvii	iiii i	iii xxii liiii	i xxiiii	ii xx l
ō xxix	xi i	viii iii xxxix	ii xxxii	iiii ix	iii xxii lv	i xxiiii	ii xxv xxvii
ō xxx	xi ō	viii iii xxxvii	ii xxxvii	iiii xviii	iii xxii lvi	i xxiiii	ii xxx ō

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Sig Na	Gra Dus	Sig Na	Gra Dus	Sig Na	Gra Dus	Minu Te	Gra Dus	Minu Te	Gra Dus	Minu Te	Sig Na	Gra Dus	Minu Te	Gra Dus	Minu Te	Gra Dus	Minu Te	Minu Te
i	i	x	xxix	viii	iii	xxxv	ii	xli	iiii	xxv	iii	xxii	lvii	i	xxiiii	ii	xxxiiii	xxxi
i	ii	x	xxviii	viii	iii	xxxii	ii	xlvi	iiii	xxxii	iii	xxii	lviii	i	xxiiii	ii	xxxvii	lix
i	iii	x	xxvii	viii	iii	xxx	ii	li	iiii	xxxix	iii	xxii	lix	i	xxiiii	ii	xlvi	xxiii
i	iiii	x	xxvi	viii	iii	xxvii	ii	lvi	iiii	xlvi	iii	xxiii	ō	i	xxiiii	ii	xlvii	xlv
i	v	x	xxv	viii	iii	xxv	iii	ō	iiii	lii	iii	xxiii	i	i	xxiii	ii	lii	iiii
i	vi	x	xxiiii	viii	iii	xxiii	iii	v	v	ō	iii	xxiii	ii	i	xxiii	ii	lvii	xx
i	vii	x	xxiii	viii	iii	xxi	iii	ix	v	vii	iii	xxiii	iii	i	xxiii	iii	ō	xxxiii
i	viii	x	xxii	viii	iii	xviii	iii	xiiii	v	xv	iii	xxiii	iiii	i	xxiii	iii	iiii	xlii
i	ix	x	xxi	viii	iii	xvi	iii	xviii	v	xxii	iii	xxiii	v	i	xxiii	iii	vii	xlviii
i	x	x	xx	viii	iii	xiiii	iii	xxiii	v	xxix	iii	xxiii	vi	i	xxiii	iii	xii	l
i	xi	x	xix	viii	iii	xii	iii	xxvii	v	xxxvi	iii	xxiii	vii	i	xxiii	iii	xvi	xlix
i	xii	x	xviii	viii	iii	ix	iii	xxxii	v	xliii	iii	xxiii	viii	i	xxiii	iii	xx	xliii
i	xiii	x	xvii	viii	iii	vii	iii	xxxvi	v	l	iii	xxiii	ix	i	xxiii	iii	xxiiii	xxxvi
i	xiiii	x	xvi	viii	iii	v	iii	xl	v	lvii	iii	xxiii	x	i	xxiii	iii	xxviii	xxiiii
i	xv	x	xv	viii	iii	iii	iii	xlv	vi	iiii	iii	xxiii	xi	i	xxiii	iii	xxxii	viii
i	xvi	x	xiiii	viii	iii	i	iii	xlix	vi	x	iii	xxiii	xii	i	xxiii	iii	xxxv	xlviii
i	xvii	x	xiii	viii	ii	lix	iii	liii	vi	xv	iii	xxiii	xiii	i	xxii	iii	xxxix	xxv
i	xviii	x	xii	viii	ii	lviii	iii	lviii	vi	xxi	iii	xxiii	xiiii	i	xxii	iii	xlii	lvii
i	xix	x	xi	viii	ii	lv	iiii	i	vi	xxvi	iii	xxiii	xv	i	xxii	iii	xlvi	xxv
i	xx	x	x	viii	ii	liii	iiii	v	vi	xxxii	iii	xxiii	xvi	i	xxii	iii	xlix	xlix
i	xxi	x	ix	viii	ii	li	iiii	ix	vi	xxxvii	iii	xxiii	xvii	i	xxii	iii	liii	ix
i	xxii	x	viii	viii	ii	xlix	iiii	xiii	vi	xliii	iii	xxiii	xviii	i	xxii	iii	lvi	xxiiii
i	xxiii	x	vii	viii	ii	xlviii	iiii	xvi	vi	xlviii	iii	xxiii	xix	i	xxii	iii	lix	xxxv
i	xxiiii	x	vi	viii	ii	xlv	iiii	xx	vi	liii	iii	xxiii	xx	i	xxii	iiii	ii	xlii
i	xxv	x	v	viii	ii	xliii	iiii	xxiiii	vi	lix	iii	xxiii	xxii	i	xxii	iiii	v	xlv
i	xxvi	x	iiii	viii	ii	xli	iiii	xxvii	vii	iiii	iii	xxiii	xxiii	i	xxii	iiii	viii	xliii
i	xxvii	x	iii	viii	ii	xl	iiii	xxxi	vii	x	iii	xxiii	xxiiii	i	xxii	iiii	xi	xxxvi
i	xxviii	x	ii	viii	ii	xxxviii	iiii	xxxv	vii	xv	iii	xxiii	xxvi	i	xxii	iiii	xv	xxii
i	xxviiii	x	i	viii	ii	xxxvi	iiii	xxxviii	vii	xxi	iii	xxiii	xxvii	i	xxii	iiii	xviii	ix
i	ō	x	ō	viii	ii	xxxiiii	iiii	xlii	vii	xxvii	iii	xxiii	xxviii	i	xxii	iiii	xix	xlviii

Sig gra na dus	Sig gra na dus	Sig gra anni na dus t e	Gra anni dus t e	Gra anni dus t e	Sig gra anni na dus t e	Gra anni dus t e	Gra anni dus t e	Anni t i e.
ii i	ix xxix	viii ii xxxiii	iiii xlv	vii xxx	iii xxiii xxix	i xxi	iiii xxii	xxiii
ii ii	ix xxviii	viii ii xxxi	iiii xlviii	vii xxxiii	iii xxiii xxx	i xxi	iiii xxiiii	liii
ii iii	ix xxvii	xxx	iiii li	vii xxxvii	iii xxiii xxxii	i xxi	iiii xxvii	xviii
ii iiii	ix xxvi	xxviii	iiii liiii	vii xl	iii xxiiii xxxiii	i xxi	iiii xxix	xxxviii
ii v	ix xxv	xxvii	iiii lvii	vii xliii	iii xxiii xxxiiii	i xxi	iiii xxxi	liii
ii vi	ix xxiiii	xxv	v ō	vii xlvii	iii xxiii xxxvi	i xxi	iiii xxxiii	iiii
ii vii	ix xxiii	xxiiii	v iii	vii li	iii xxiii xxxvii	i xxi	iiii xxxvi	ix
ii viii	ix xxii	xxiii	v v	viii liiii	iii xxiii xxxviii	i xxi	iiii xxxviii	ix
ii ix	ix xxi	xxi	v viii	viii lviii	iii xxiii xl	i xx	iiii xl	iiii
ii x	ix xx	xx	v x	viii i	iii xxiii li	i xx	iiii xli	liiii
ii xi	ix xix	xix	v xiii	viii v	iii xxiii xlii	i xx	iiii xliii	xxix
ii xii	ix xviii	xviii	v xv	viii viii	iii xxiii xliiii	i xx	iiii xlv	xix
ii xiii	ix xvii	viii ii xvi	v xviii	viii xii	iii xxiii xlv	i xx	iiii xlvi	liii
ii xiiii	ix xvi	viii ii xv	v xx	viii xv	iii xxiii xlvii	i xx	iiii xlviii	xxiii
ii xv	ix xv	xiiii	v xxii	viii xvii	iii xxiii l	i xx	iiii xlix	xlvi
ii xvi	ix xiiii	xiii	v xxiiii	viii xix	iii xxiii li	i xx	iiii li	v
ii xvii	ix xiii	xii	v xxvi	viii xx	iii xxiii liii	i xix	iiii lii	xix
ii xviii	ix xii	xi	v xxviii	viii xxii	iii xxiii lv	i xix	iiii liii	xxvii
ii xix	ix xi	x	v xxx	viii xxiii	iii xxiii lvii	i xix	iiii liiii	xxix
ii xx	ix x	x	v xxxi	viii xxv	iii xxiii lviii	i xix	iiii lv	xxvi
ii xxi	ix ix	ix	v xxxv	viii xxvi	iii xxiii lix	i xix	iiii lvi	xviii
ii xxii	ix viii	viii	v xxxvi	viii xxvii	iii xxiiii i	i xix	iiii lvii	v
ii xxiii	ix vii	viii	v xxxvii	viii xxviii	iii xxiiii iii	i xix	iiii lvii	xlvi
ii xxiiii	ix vi	vii	v xxxviii	viii xxix	iii xxiiii iiii	i xix	iiii lviii	xxi
ii xxv	ix v	vii	v xxxvii	viii xxxi	iii xxiiii vi	i xviii	iiii lviii	li
ii xxvi	ix iiii	vi	v xxxviii	viii xxxii	iii xxiiii vii	i xviii	iiii lix	xvi
ii xxvii	ix iii	vi	v xxxix	viii xxxiii	iii xxiiii viii	i xviii	iiii lix	xxxv
ii xxviii	ix ii	v	v xl	viii xxxiiii	iii xxiiii ix	i xviii	iiii lix	xlix
ii xxix	ix i	viii ii v	v xli	viii xxxv	iii xxiiii x	i xviii	iiii lix	lvii
ii ō	ix ō	viii ii iiii	v xlii	viii xxxvi	iii xxiiii xi	i xviii	iiii ō	ō

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Sig Gra	Sig Gra	Sig Gra anni	Gra anni	Gra anni	Sig Gra anni	Gra anni	Gra anni	anni
na dus	na dus	na dus te	dus te	dus te	na dus te	dus te	dus te	te
iii i	viii xxix	viii ii iiii	v xlii	viii xxxv	iii xxiiii xii	i xviii	iiii lix	lvii
iii ii	viii xxviii	viii ii iiii	v xliii	viii xxxiiii	iii xxiiii xiii	i xviii	iiii lix	xlix
iii iii	viii xxvii	viii ii iiii	v xliii	viii xxxiii	iii xxiiii xv	i xvii	iiii lix	xxxv
iii iiii	viii xxvi	viii ii iiii	v xliiii	viii xxxii	iii xxiiii xvi	i xvii	iiii lix	xvi
iii v	viii xxv	viii ii iii	v xliiii	viii xxxi	iii xxiiii xviii	i xvii	iiii lviii	li
iii vi	viii xxiiii	viii ii iii	v xliiii	viii xxix	iii xxiiii xix	i xvii	iiii lviii	xxi
iii vii	viii xxiii	viii ii iii	v xliiii	viii xxviii	iii xxiiii xx	i xvii	iiii lvii	xlvi
iii viii	viii xxii	viii ii iii	v xliiii	viii xxvii	iii xxiiii xxii	i xvi	iiii lvii	v
iii ix	viii xxi	viii ii iiii	v xliii	viii xxvi	iii xxiiii xxiii	i xvi	iiii lvi	xviii
iii x	viii xx	viii ii iiii	v xliii	viii xxiiii	iii xxiiii xxiiii	i xvi	iiii lv	xxvi
iii xi	viii xix	viii ii iiii	v xlii	viii xxiii	iii xxiiii xxvi	i xvi	iiii liiii	xxix
iii xii	viii xviii	viii ii iiii	v xlii	viii xxi	iii xxiiii xxvii	i xvi	iiii liii	xxvii
iii xiii	viii xvii	viii ii v	v xli	viii xx	iii xxiiii xxviii	i xvi	iiii lii	xix
iii xiiii	viii xvi	viii ii v	v xli	viii xix	iii xxiiii xxx	i xvi	iiii li	v
iii xv	viii xv	viii ii v	v xl	viii xvii	iii xxiiii xxxi	i xvi	iiii xlix	xlvi
iii xvi	viii xiiii	viii ii vi	v xxxix	viii xv	iii xxiiii xxxii	i xvi	iiii xlviii	xliii
iii xvii	viii xiii	viii ii vi	v xxxviii	viii xii	iii xxiiii xxxiiii	i xv	iiii xlvi	xiii
iii xviii	viii xii	viii ii vii	v xxxvii	viii viii	iii xxiiii xxxv	i xv	iiii xlv	xix
iii xix	viii xi	viii ii vii	v xxxvi	viii v	iii xxiiii xxxvi	i xv	iiii xliii	xxxix
iii xx	viii x	viii ii viii	v xxxv	viii i	iii xxiiii xxxvii	i xv	iiii xli	liiii
iii xxi	viii ix	viii ii ix	v xxxiii	vii lvii	iii xxiiii xxxix	i xv	iiii xl	iiii
iii xxii	viii viii	viii ii x	v xxxi	vii liiii	iii xxiiii xl	i xv	iiii xxxviii	ix
iii xxiii	viii vii	viii ii x	v xxx	vii li	iii xxiiii xli	i xv	iiii xxxvi	ix
iii xxiiii	viii vi	viii ii xi	v xxviii	vii xlvii	iii xxiiii xliii	i xv	iiii xxxiiii	iiii
iii xxv	viii v	viii ii xii	v xxvi	vii xliiii	iii xxiiii xliiii	i xv	iiii xxxi	liii
iii xxvi	viii iiii	viii ii xiii	v xxiiii	vii xl	iii xxiiii xlv	i xv	iiii xxix	xxviii
iii xxvii	viii iii	viii ii xiiii	v xxii	vii xxxvii	iii xxiiii xlvii	i xv	iiii xxvi	xviii
iii xxviii	viii ii	viii ii xvi	v xix	vii xxxiii	iii xxiiii xlviii	i xv	iiii xxiiii	liii
iii xxix	viii i	viii ii xvii	v xvii	vii xxx	iii xxiiii xlix	i xv	iiii xxii	xiii
iiii o	viii o	viii ii xviii	v xv	vii xxvii	iii xxiiii l	i xv	iiii xix	xlviii

Sig Gra	Sig Minu	Sig Gra Minu	Sig Minu	Gra Minu	Sig Gra Minu	Gra Minu	Gra Minu Minu
Na dus	Na te	Na dus te	Na te	dus te	Na dus te	dus te	dus te te
iiii i	vii xxix	viii ii xix	v xii	vii xxi	iii xxiiii li	i xxiiii	iiii xvii ix
iiii ii	vii xxviii	viii ii xxi	v ix	vii xvi	iii xxiiii lii	i xxiiii	iiii xiiii xxiiii
iiii iii	vii xxvii	viii ii xxii	v vi	vii x	iii xxiiii liii	i xxiiii	iiii xi xxvi
iiii iiii	vii xxvi	viii ii xxiiii	v iii	vii v	iii xxiiii lv	i xxiiii	iiii viii xliii
iiii v	vii xxv	viii ii xxv	v o	vi lix	iii xxiiii lv	i xxiiii	iiii v xlv
iiii vi	vii xxiiii	viii ii xxvii	iiii lvii	vi liiii	iii xxiiii lvii	i xxiiii	iiii ii xlii
iiii vii	vii xxiii	viii ii xxix	iiii liii	vi xlviii	iii xxiiii lviii	i xxiiii	iii lix xxxv
iiii viii	vii xxii	viii ii xxx	iiii l	vi xliii	iii xxiiii lix	i xxiiii	iii lvi xxiiii
iiii ix	vii xxi	viii ii xxxii	iiii xlvi	vi xxxvii	iii xxv o	i xxiiii	iii liii ix
iiii x	vii xx	viii ii xxxiiii	iiii xlii	vi xxxii	iii xxv i	i xxiiii	iii xlix xlix
iiii xi	vii xix	viii ii xxxvi	iiii xxxix	vi xxvi	iii xxv ii	i xxiii	iii xlvi xxv
iiii xii	vii xviii	viii ii xxxviii	iiii xxxv	vi xxi	iii xxv iii	i xxiii	iii xlii lvii
iiii xiii	vii xvii	viii ii xl	iiii xxxi	vi xv	iii xxv iiii	i xxiii	iii xxxix xxiiii
iiii xiiii	vii xvi	viii ii xlii	iiii xxvii	vi x	iii xxv v	i xxiii	iii xxxv xlviii
iiii xv	vii xv	viii ii xliiii	iiii xxiii	vi v	iii xxv vi	i xxiii	iii xxxii viii
iiii xvi	vii xiiii	viii ii xlvi	iiii xviii	v lvii	iii xxv vii	i xxiii	iii xxix xxiiii
iiii xvii	vii xiii	viii ii xlviii	iiii xiiii	v l	iii xxv viii	i xxiii	iii xxiiii xxxvi
iiii xviii	vii xii	viii ii li	iiii ix	v xliii	iii xxv ix	i xxiii	iii xx xliiii
iiii xix	vii xi	viii ii liii	iiii iiii	v xxxvi	iii xxv x	i xxiii	iii xvi xlix
iiii xx	vii x	viii ii lv	iiii o	v xxix	iii xxv xi	i xxiii	iii xii l
iiii xxi	vii ix	viii ii lviii	iii lv	v xxii	iii xxv xii	i xxiii	iii viii xlviii
iiii xxii	vii viii	viii iii o	iii l	v xv	iii xxv xiii	i xxiii	iii iiii xlii
iiii xxiii	vii vii	viii iii ii	iii xlv	v vii	iii xxv xiiii	i xxii	iii o xliii
iiii xxiiii	vii vi	viii iii v	iii xl	v o	iii xxv xv	i xxii	ii lvi xx
iiii xxv	vii v	viii iii viii	iii xxxv	iiii liii	iii xxv xvi	i xxii	ii lii iiii
iiii xxvi	vii iiii	viii iii x	iii xxx	iiii xlvi	iii xxv xvii	i xxii	ii xlvi xlv
iiii xxvii	vii iii	viii iii xiii	iii xxv	iiii xxxix	iii xxv xviii	i xxii	ii xliii xxiii
iiii xxviii	vii ii	viii iii xvi	iii xix	iiii xxxii	iii xxv xviii	i xxii	ii xxxviii lix
iiii xxix	vii i	viii iii xviii	iii xv	iiii xxv	iii xxv xix	i xxii	ii xxxiiii xxxi
iiii o	vii o	viii iii xxi	iii ix	iiii xviii	iii xxv xix	i xxii	ii xxx o

SIG GRA	SIG GRA	SIG GRA MINV	GRA MINV	GRA MINV	SIG GRA MINV	GRA MINV	GRA MINV MINV
NA DVS	NA DVS	NA DVS T E	DVS T E	DVS T E	NA DVS T E	DVS T E	DVS T E T I E
v i	vi xxix	viii iii xxiiii	ii iii	iiii x	iii xxv xx	i xii	ii xxv xxvii
v ii	vi xxviii	viii iii xxvi	ii lviii	iiii i	iii xxv xx	i xii	ii xx l
v iii	vi xxvii	viii iii xxix	ii lii	iii liii	iii xxv xxi	i xi	ii xvi xii
v iiii	vi xxvi	viii iii xxxii	ii xlvi	iii xliiii	iii xxv xxi	i xi	ii xi xxxi
v v	vi xxv	viii iii xxxv	ii xl	iii xxxvi	iii xxv xxii	i xi	ii vi xlvi
v vi	vi xxiiii	viii iii xxxviii	ii xxxiiii	iii xxviii	iii xxv xxii	i xi	ii ii l
v vii	vi xxiii	viii iii xli	ii xxviii	iii xix	iii xxv xxiii	i xi	i lvii xiii
v viii	vi xxii	viii iii xliiii	ii xxii	iii xi	iii xxv xxiiii	i xi	i lii xxiiii
v ix	vi xxi	viii iii xlvii	ii xvi	iii xiii	iii xxv xxiiii	i xi	i xlviii xxxi
v x	vi xx	viii iii l	ii x	ii liiii	iii xxv xxiiii	i xi	i xlii xxxvi
v xi	vi xix	viii iii lii	ii iiii	ii xlvi	iii xxv xxiiii	i xi	i xxxvii xl
v xii	vi xviii	viii iii lvi	i lviii	ii xxxviii	iii xxv xxiiii	i xi	i xxxii xlii
v xiii	vi xvii	viii iiii ō	i li	ii xxx	iii xxv xxv	i xi	i xxvii xliii
v xiiii	vi xvi	viii iiii iii	i xlv	ii xxii	iii xxv xxv	i xi	i xxii xlii
v xv	vi xv	viii iiii vi	i xxxix	ii xiii	iii xxv xxv	i xi	i xvii xxxix
v xvi	vi xiiii	viii iiii ix	i xxxii	ii iii	iii xxv xxvi	i xi	i xii xxxv
v xvii	vi xiii	viii iiii xii	i xxvi	i lv	iii xxv xxvi	i xi	i vii xxix
v xviii	vi xii	viii iiii xvi	i xix	i xliiii	iii xxv xxvi	i xi	i ii xxii
v xix	vi xi	viii iiii xix	i xiii	i xxxvii	iii xxv xxvii	i xi	ō lvii xv
v xx	vi x	viii iiii xxii	i vi	i xxviii	iii xxv xxvii	i xi	ō lii vi
v xxi	vi ix	viii iiii xxvi	ō lix	i xix	iii xxv xxvii	i xi	ō xlvi lvi
v xxii	vi viii	viii iiii xxix	ō liii	i x	iii xxv xxviii	i xi	ō xli xlv
v xxiii	vi vii	viii iiii xxxii	ō xlvi	i ii	iii xxv xxviii	i x	ō xxxvi xxxiii
v xxiiii	vi vi	viii iiii xxxv	ō xl	ō liii	iii xxv xxviii	i x	ō xxxi xxii
v xxv	vi v	viii iiii xxxix	ō xxxiii	ō xliiii	iii xxv xxix	i x	ō xxvi ix
v xxvi	vi iiii	viii iiii xlii	ō xxvi	ō xxxv	iii xxv xxix	i x	ō xx lvi
v xxvii	vi iii	viii iiii xlv	ō xx	ō xxvi	iii xxv xxix	i x	ō xv xlii
v xxviii	vi ii	viii iiii xlix	ō xiii	ō xvii	iii xxv xxx	i x	ō x xxviii
v xxix	vi i	viii iiii lii	ō vi	ō ix	iii xxv xxx	i x	ō v xiiii
v ō	vi ō	viii iiii lv	ō ō	ō ō	iii xxv xxx	i x	ō ō ō

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Sig	gra	Sig	gra	Sig	gra	minu	Gra	minu	Gra	minu	Sig	gra	minu	Gra	minu	Gra	minu	minu
na	dus	na	dus	na	dus	t,e	dus	t,e	dus	t,e	na	dus	t,e	dus	t,e	dus	t,e	t,i,e
o	i	xi	xxix	v	xxii	xxviii	o	ix	o	v	iiii	iiii	v	i	xxxvi	o	ii	xxxvii
o	ii	xi	xxviii	v	xxii	xxiii	o	xix	o	x	iiii	iiii	v	i	xxxv	o	v	xiiii
o	iii	xi	xxvii	v	xxii	xviii	o	xxix	o	xv	iiii	iiii	v	i	xxxv	o	vii	xi
o	iiii	xi	xxvi	v	xxii	xiii	o	xxxviii	o	xxi	iiii	iiii	v	i	xxxv	o	x	xxviii
o	v	xi	xxv	v	xxii	viii	o	xlviii	o	xxvi	iiii	iiii	v	i	xxxiiii	o	xiii	iiii
o	vi	xi	xxiiii	v	xxii	iii	i	lvii	o	xxxi	iiii	iiii	v	i	xxxiiii	o	xv	xli
o	vii	xi	xxiii	v	xxi	lix	i	vii	o	xxxvi	iiii	iiii	vi	i	xxxiiii	o	xviii	xlvii
o	viii	xi	xxii	v	xxi	liiii	i	xvi	o	xlii	iiii	iiii	vi	i	xxxiiii	o	xx	liii
o	ix	xi	xxi	v	xxi	xlix	i	xxvi	o	xlvii	iiii	iiii	vi	i	xxxiii	o	xxiii	xxviii
o	x	xi	xx	v	xxi	xlv	i	xxxv	o	lii	iiii	iiii	vi	i	xxxiii	o	xxvi	iii
o	xi	xi	xix	v	xxi	xl	i	xlv	o	lvii	iiii	iiii	vi	i	xxxiii	o	xxviii	xxxvii
o	xii	xi	xviii	v	xxi	xxxv	i	liiii	i	iii	iiii	iiii	vi	i	xxxiii	o	xxxi	xi
o	xiii	xi	xvii	v	xxi	xxx	ii	iiii	i	viii	iiii	iiii	vii	i	xxxii	o	xxxiii	xlv
o	xiiii	xi	xvi	v	xxi	xxvi	ii	xiii	i	xiii	iiii	iiii	vii	i	xxxii	o	xxxvi	xvii
o	xv	xi	xv	v	xxi	xxi	ii	xxiii	i	xix	iiii	iiii	vii	i	xxxii	o	xxxviii	xlix
o	xvi	xi	xiiii	v	xxi	xvi	ii	xxxii	i	xxiiii	iiii	iiii	viii	i	xxxii	o	xli	xxxi
o	xvii	xi	xiii	v	xxi	xii	ii	xlii	i	xxviii	iiii	iiii	viii	i	xxxi	o	xliii	li
o	xviii	xi	xii	v	xxi	vii	ii	l	i	xxxiiii	iiii	iiii	viii	i	xxxi	o	xlvi	xxviii
o	xix	xi	xi	v	xxi	ii	iii	o	i	xxxviii	iiii	iiii	ix	i	xxxi	o	xlviii	l
o	xx	xi	x	v	xx	lviii	iii	ix	i	xliii	iiii	iiii	ix	i	xxxi	o	li	xviii
o	xxi	xi	ix	v	xx	liii	iii	xviii	i	xlviii	iiii	iiii	ix	i	xxx	o	liii	xlv
o	xxii	xi	viii	v	xx	xlix	iii	xxvii	i	liii	iiii	iiii	x	i	xxx	o	lvi	xi
o	xxiii	xi	vii	v	xx	xliiii	iii	xxxvi	i	lviii	iiii	iiii	x	i	xxx	o	lviii	xxxvii
o	xxiiii	xi	vi	v	xx	xl	iii	xlv	ii	iii	iiii	iiii	xi	i	xxx	o	i	xli
o	xxv	xi	v	v	xx	xxxv	iii	liiii	ii	viii	iiii	iiii	xii	i	xxix	o	iii	xxiiii
o	xxvi	xi	iiii	v	xx	xxxi	iiii	iii	ii	xiii	iiii	iiii	xiii	i	xxix	o	v	xlv
o	xxvii	xi	iii	v	xx	xxvii	iiii	xii	ii	xviii	iiii	iiii	xiiii	i	xxix	o	viii	vi
o	xxviii	xi	ii	v	xx	xxii	iiii	xxi	ii	xxiii	iiii	iiii	xv	i	xxix	o	x	xxix
o	xxix	xi	i	v	xx	xvii	iiii	xxx	ii	xxviii	iiii	iiii	xvi	i	xxviii	o	xii	xliii
o	o	xi	o	v	xx	xiii	iiii	xxxix	ii	xxxiii	iiii	iiii	xvii	i	xxviii	o	xv	o

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sa dus	sa dus	sa dus	m e	dus m e	dus m e	sa m e	dus m e	dus m e	m 2e	dus
i i	x xxix	v xx	ix	iiii xlvii	ii xxxvii	iiii xviii	i xxviii	i xvii	xv	iiii
i ii	x xxviii	v xx	iiii	iiii lvi	ii xli	iiii xix	i xxviii	i xviii	xxix	iiii
i iii	x xxvii	v xx	o	v v	ii xlv	iiii xx	i xxviii	i xxi	xlii	iiii
i iiii	x xxvi	v xix	lvi	v xiii	ii xlix	iiii xxi	i xxviii	i xxiii	liii	iiii
i v	x xxv	v xix	li	v xxii	ii liiii	iiii xxii	i xxvii	i xxvi	ii	iiii
i vi	x xxiiii	v xix	xlvii	v xxx	ii lviii	iiii xxiii	i xxvii	i xxviii	x	iiii
i vii	x xxiii	v xix	xliii	v xxxviii	iii ii	iiii xxiiii	i xxvii	i xxx	xvi	iiii
i viii	x xxii	v xix	xxxix	v xlvii	iii vi	iiii xxv	i xxvii	i xxxii	xxi	iiii
i ix	x xxi	v xix	xxxv	v lv	iii x	iiii xxvi	i xxvii	i xxxiiii	xxiiii	iiii
i x	x xx	v xix	xxxi	vi iii	iii xv	iiii xxvii	i xxvii	i xxxvi	xxv	iiii
i xi	x xix	v xix	xxvii	vi xi	iii xix	iiii xxviii	i xxvi	i xxxviii	xxii	iiii
i xii	x xviii	v xix	xxiii	vi xix	iii xxiii	iiii xxix	i xxvi	i xl	xxii	iiii
i xiii	x xvii	v xix	xix	vi xxvii	iii xxvii	iiii xxx	i xxvi	i xlii	xviii	iiii
i xiiii	x xvi	v xix	xv	vi xxxv	iii xxxi	iiii xxxi	i xxvi	i xliiii	xii	iiii
i xv	x xv	v xix	xi	vi xliii	iii xxxvi	iiii xxxii	i xxvi	i xlvi	iiii	iiii
i xvi	x xiiii	v xix	vii	vi l	iii xxxix	iiii xxxiii	i xxvi	i xlvii	liii	iiii
i xvii	x xiii	v xviii	iii	vi lviii	iii xliii	iiii xxxiiii	i xxvi	i xlix	xlii	iiii
i xviii	x xii	v xviii	lix	vii vi	iii xlvi	iiii xxxv	i xxvi	i li	xxviii	iiii
i xix	x xi	v xviii	lvi	vii xiii	iii xlix	iiii xxxvi	i xxv	i liii	xii	iiii
i xx	x x	v xviii	lii	vii xx	iii lii	iiii xxxix	i xxv	i liiii	liiii	iiii
i xxi	x ix	v xviii	xlix	vii xxvi	iii lv	iiii xl	i xxv	i lvi	xxxiii	iiii
i xxii	x viii	v xviii	xlv	vii xxxiii	iii lviii	iiii xli	i xxv	i lviii	xii	iiii
i xxiii	x vii	v xviii	xli	vii xli	iiii ii	iiii xlii	i xxv	i lix	xlviii	iiii
i xxiiii	x vi	v xviii	xxxviii	vii xlviii	iiii v	iiii xliiii	i xxv	i i	xxi	iiii
i xxv	x v	v xviii	xxxv	vii liiii	iiii ix	iiii xlvi	i xxiiii	i ii	lii	iiii
i xxvi	x iiii	v xviii	xxxi	viii i	iiii xii	iiii xlviii	i xxiiii	i iiii	xxi	iiii
i xxvii	x iii	v xviii	xxviii	viii viii	iiii xv	iiii xlix	i xxiiii	i v	xlviii	iiii
i xxviii	x ii	v xviii	xxv	viii xv	iiii xix	iiii li	i xxiiii	i vii	xix	iiii
i xxix	x i	v xviii	xxii	viii xxi	iiii xxii	iiii lii	i xxiiii	i viii	xxxiii	iiii
i o	x o	v xviii	xviii	viii xxviii	iiii xxv	iiii liii	i xxiiii	i ix	liiii	iiii

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Sig gra / ra dus.	sig gra / na d us.	sig gra minu / na dus t e.	gra minu / dus t e.	gra minu / dus t e.	sig gra minu / na dus t e.	gra minu / dus t e.	gra minu minu / dus t e. t i e.
ii i	ix xxix	v xviii xv	viii xxxiii	iiii xxvii	iiii iiii liiii	i xxiiii	ii xi xii
ii ii	ix xxviii	v xviii xii	viii xl	iiii xxix	iiii iiii lvi	i xxiiii	ii xii xxvii
ii iii	ix xxvii	v xviii ix	viii xlvi	iiii xxxi	iiii iiii lviii	i xxiiii	ii xiii xxxix
ii iiii	ix xxvi	v xviii viii	viii lii	iiii xxxiii	iiii iiii lix	i xxiiii	ii xiiii xlix
ii v	ix xxv	v xviii iiii	viii lvii	iiii xxxv	iiii v i	i xxiiii	ii xv lvii
ii vi	ix xxiiii	v xviii i	ix iii	iiii xxxvi	iiii v ii	i xxiiii	ii xvii ii
ii vii	ix xxiii	v xvii lviii	ix ix	iiii xxxviii	iiii v iiii	i xxiii	ii xviii v
ii viii	ix xxii	v xvii lv	ix xiiii	iiii xl	iiii v vi	i xxiii	ii xix v
ii ix	ix xxi	v xvii lii	ix xx	iiii xlii	iiii v vii	i xxiii	ii xx ii
ii x	ix xx	v xvii l	ix xxv	iiii xliiii	iiii v ix	i xxiii	ii xx lvii
ii xi	ix xix	v xvii xlvii	ix xxx	iiii xlvi	iiii v xi	i xxii	ii xxi vii
ii xii	ix xviii	v xvii xlv	ix xxxv	iiii xlviii	iiii v xii	i xxii	ii xxii xl
ii xiii	ix xvii	v xvii xlii	ix xl	iiii l	iiii v xiiii	i xxii	ii xxiii xxvi
ii xiiii	ix xvi	v xvii xl	ix xlv	iiii liii	iiii v xvi	i xxii	ii xxiiii xi
ii xv	ix xv	v xvii xxxvii	ix l	iiii lv	iiii v xvii	i xxi	ii xxiiii liii
ii xvi	ix xiiii	v xvii xxxv	ix liiii	iiii lvi	iiii v xix	i xxi	ii xxv xxxiii
ii xvii	ix xiii	v xvii xxxiii	ix lviii	iiii lvii	iiii v xxi	i xxi	ii xxvi ix
ii xviii	ix xii	v xvii xxxi	x ii	iiii lviii	iiii v xxii	i xxi	ii xxvi xliii
ii xix	ix xi	v xvii xxix	x vi	iiii lix	iiii v xxiiii	i xx	ii xxvii xv
ii xx	ix x	v xvii xxvii	x x	iiii lx	iiii v xxvi	i xx	ii xxvii xliii
ii xxi	ix ix	v xvii xxv	x xiiii	v o	iiii v xxvii	i xx	ii xxviii ix
ii xxii	ix viii	v xvii xxiii	x xviii	v i	iiii v xxix	i xx	ii xxviii xxxii
ii xxiii	ix vii	v xvii xxii	x xxi	v i	iiii v xxxi	i xix	ii xxviii liii
ii xxiiii	ix vi	v xvii xx	x xxiiii	v ii	iiii v xxxii	i xix	ii xxix xi
ii xxv	ix v	v xvii xviii	x xxviii	v iii	iiii v xxxiiii	i xix	ii xxix xxvi
ii xxvi	ix iiii	v xvii xvii	x xxx	v iiii	iiii v xxxvi	i xix	ii xxix xxxviii
ii xxvii	ix iii	v xvii xvi	x xxxiii	v iiii	iiii v xxxvii	i xviii	ii xxix xlviii
ii xxviii	ix ii	v xvii xiiii	x xxxvi	v v	iiii v xxxix	i xviii	ii xxix lv
ii xxix	ix i	v xvii xii	x xxxviii	v vi	iiii v xli	i xviii	ii xxix lix
ii o	ix o	v xvii xii	x xli	v vi	iiii v xlii	i xviii	ii xxx o

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SIG NA	GRA DVS	SIG NA	GRA DVS	SIG NA	GRA DVS	MINV T E	GRA DVS	MINV T E	GRA DVS	MINV T E	SIG NA	GRA DVS	MINV T E	GRA DVS	MINV T E	GRA DVS	MINV T E	MINV T I E
iii	i	viii	xxix	v	xvii	xi	x	xliii	v	vi	iiii	v	xliii	i	xvii	ii	xxix	lix
iii	ii	viii	xxviii	v	xvii	x	x	xlv	v	v	iiii	v	xliiii	i	xvii	ii	xxix	lv
iii	iii	viii	xxvii	v	xvii	ix	x	xlvii	v	iiii	iiii	v	xlvi	i	xvii	ii	xxix	xlviii
iii	iiii	viii	xxvi	v	xvii	viii	x	xlix	v	iiii	iiii	v	xlvii	i	xvii	ii	xxix	xxviii
iii	v	viii	xxv	v	xvii	vii	x	l	v	iii	iiii	v	xlviii	i	xvi	ii	xxix	xxvi
iii	vi	viii	xxiiii	v	xvii	vii	x	li	v	ii	iiii	v	l	i	xvi	ii	xxix	xi
iii	vii	viii	xxiii	v	xvii	vii	x	li	v	i	iiii	v	li	i	xvi	ii	xxviii	liii
iii	viii	viii	xxii	v	xvii	vi	x	lii	v	ō	iiii	v	lii	i	xvi	ii	xxviii	lii
iii	ix	viii	xxi	v	xvii	vi	x	lii	iiii	lix	iiii	v	liiii	i	xv	ii	xxviii	ix
iii	x	viii	xx	v	xvii	vi	x	lii	iiii	lix	iiii	v	lv	i	xv	ii	xxvii	xliii
iii	xi	viii	xix	v	xvii	vi	x	lii	iiii	lviii	iiii	v	lvi	i	xv	ii	xxvii	xv
iii	xii	viii	xviii	v	xvii	vi	x	lii	iiii	lviii	iiii	v	lviii	i	xv	ii	xxvi	xliii
iii	xiii	viii	xvii	v	xvii	vi	x	lii	iiii	lvii	iiii	v	lix	i	xiiii	ii	xxvi	ix
iii	xiiii	viii	xvi	v	xvii	vii	x	li	iiii	lvi	iiii	vi	ō	i	xiiii	ii	xxv	xxxiii
iii	xv	viii	xv	v	xvii	vii	x	li	iiii	lv	iiii	vi	ii	i	xiiii	ii	xxiiii	liii
iii	xvi	viii	xiiii	v	xvii	vii	x	l	iiii	liii	iiii	vi	iii	i	xiiii	ii	xxiiii	xi
iii	xvii	viii	xiii	v	xvii	viii	x	xlix	iiii	li	iiii	vi	iiii	i	xiii	ii	xxiii	xxvi
iii	xviii	viii	xii	v	xvii	viii	x	xlviii	iiii	xlix	iiii	vi	vi	i	xiii	ii	xxii	xl
iii	xix	viii	xi	v	xvii	ix	x	xlvi	iiii	xlvii	iiii	vi	vii	i	xiii	ii	xxi	l
iii	xx	viii	x	v	xvii	x	x	xliiii	iiii	xlv	iiii	vi	viii	i	xiii	ii	xx	lvii
iii	xxi	viii	ix	v	xvii	xi	x	xlii	iiii	xlii	iiii	vi	x	i	xii	ii	xx	ii
iii	xxii	viii	viii	v	xvii	xii	x	xl	iiii	xl	iiii	vi	xi	i	xii	ii	xviii	v
iii	xxiii	viii	vii	v	xvii	xiii	x	xxxvii	iiii	xxxviii	iiii	vi	xii	i	xii	ii	xviii	v
iii	xxiiii	viii	vi	v	xvii	xv	x	xxxiiii	iiii	xxxvi	iiii	vi	xiiii	i	xii	ii	xvii	ii
iii	xxv	viii	v	v	xvii	xvii	x	xxxi	iiii	xxxiiii	iiii	vi	xv	i	xi	ii	xv	lvii
iii	xxvi	viii	iiii	v	xvii	xviii	x	xxviii	iiii	xxxii	iiii	vi	xvii	i	xi	ii	xiiii	xlix
iii	xxvii	viii	iii	v	xvii	xx	x	xxv	iiii	xxx	iiii	vi	xix	i	xi	ii	xiii	xxxix
iii	xxviii	viii	ii	v	xvii	xxii	x	xxi	iiii	xxviii	iiii	vi	xx	i	xi	ii	xii	xxvii
iii	xxix	viii	i	v	xvii	xxiiii	x	xvii	iiii	xxvi	iiii	vi	xxii	i	x	ii	xi	xii
iii	ō	viii	ō	v	xvii	xxvi	x	xiii	iiii	xxv	iiii	vi	xxiiii	i	x	ii	ix	liiii

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SIG NA	GRA DVS	SIG NA	GRA DVS	SIG NA	GRA DVS	MINV TE	GRA DVS	MINV TE	GRA DVS	MINV TE	SIG NA	GRA DVS	MINV TE	GRA DVS	MINV TE	GRA DVS	MINV TE	MINV TIE
iiii	i	vii	xxix	v	xvii	xxviii	x	viii	iiii	xxi	iiii	vi	xxv	i	x	ii	viii	xxxiiii
iiii	ii	vii	xxviii	v	xvii	xxxi	x	iii	iiii	xviii	iiii	vi	xxvii	i	x	ii	vii	xii
iiii	iii	vii	xxvii	v	xvii	xxxiii	ix	lix	iiii	xiiii	iiii	vi	xxix	i	x	ii	v	xlviii
iiii	iiii	vii	xxvi	v	xvii	xxxv	ix	liiii	iiii	xi	iiii	vi	xxx	i	x	ii	iiii	xii
iiii	v	vii	xxv	v	xvii	xxxviii	ix	xlviii	iiii	viii	iiii	vi	xxxiii	i	x	ii	ii	lii
iiii	vi	vii	xxiiii	v	xvii	xli	ix	xliii	iiii	v	iiii	vi	xxxiiii	i	x	ii	i	xii
iiii	vii	vii	xxiii	v	xvii	xliiii	ix	xxxvii	iiii	ii	iiii	vi	xxxv	i	x	i	lix	xlviii
iiii	viii	vii	xxii	v	xvii	xlvi	ix	xxxii	iii	lviii	iiii	vi	xxxvi	i	x	i	lviii	xii
iiii	ix	vii	xxi	v	xvii	l	ix	xxv	iii	lv	iiii	vi	xxxvii	i	ix	i	lvi	xxxiiii
iiii	x	vii	xx	v	xvii	liii	ix	xix	iii	lii	iiii	vi	xxxviii	i	ix	i	liiii	liiii
iiii	xi	vii	xix	v	xvii	lvi	ix	xiii	iii	xlix	iiii	vi	xxxix	i	ix	i	liii	xii
iiii	xii	vii	xviii	v	xvii	lix	ix	vi	iii	xlv	iiii	vi	xli	i	ix	i	li	xxviii
iiii	xiii	vii	xvii	v	xviii	iii	viii	lix	iii	xlii	iiii	vi	xlii	i	viii	i	xlix	xlii
iiii	xiiii	vii	xvi	v	xviii	vi	viii	lii	iii	xxxix	iiii	vi	xliii	i	viii	i	xlvii	liiii
iiii	xv	vii	xv	v	xviii	x	viii	xlv	iii	xxxvi	iiii	vi	xliiii	i	viii	i	xlv	iiii
iiii	xvi	vii	xiiii	v	xviii	xiiii	viii	xxxvii	iii	xxxi	iiii	vi	xlv	i	viii	i	xliiii	xii
iiii	xvii	vii	xiii	v	xviii	xviii	viii	xxix	iii	xxvii	iiii	vi	xlvi	i	vii	i	xlii	xviii
iiii	xviii	vii	xii	v	xviii	xxii	viii	xxi	iii	xxiii	iiii	vi	xlvii	i	vii	i	xl	xxii
iiii	xix	vii	xi	v	xviii	xxvi	viii	xiii	iii	xix	iiii	vi	xlviii	i	vii	i	xxxviii	xxv
iiii	xx	vii	x	v	xviii	xxx	viii	v	iii	xii	iiii	vi	xlix	i	vii	i	xxxvi	xxv
iiii	xxi	vii	ix	v	xviii	xxxiii	vii	lvii	iii	x	iiii	vi	l	i	vi	i	xxxiiii	xxiiii
iiii	xxii	vii	viii	v	xviii	xxxviii	vii	xlviii	iii	vi	iiii	vi	li	i	vi	i	xxxii	xxi
iiii	xxiii	vii	vii	v	xviii	xliii	vii	xxxix	iii	ii	iiii	vi	lii	i	vi	i	xxx	xvi
iiii	xxiiii	vii	vi	v	xviii	xlvii	vii	xxx	iii	lviii	iiii	vi	liii	i	vi	i	xxviii	x
iiii	xxv	vii	v	v	xviii	lii	vii	xxi	iii	liiii	iiii	vi	liiii	i	v	i	xxvi	ii
iiii	xxvi	vii	iiii	v	xviii	lvii	vii	xi	iii	xlix	iiii	vi	lv	i	v	i	xxiii	liii
iiii	xxvii	vii	iii	v	xix	i	vi	ii	iii	xlv	iiii	vi	lvi	i	v	i	xxi	xlii
iiii	xxviii	vii	ii	v	xix	vi	vi	lii	iii	xli	iiii	vi	lvii	i	v	i	xix	xxix
iiii	xxix	vii	i	v	xix	xi	vi	xlii	iii	xxxvii	iiii	vi	lviii	i	iiii	i	xvii	xv
iiii	ō	vii	ō	v	xix	xvi	vi	xxxii	iii	xxxiii	iiii	vi	lix	i	iiii	i	xv	ō

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Sig gra / na dus	min minu / ete t i e	Sig gra minu / na dus t e	gra minu / dus t e	gra minu / dus t e	gra min sig / dus ute na	gra minu / dus te.	gra minu minu / dus t e. t i e
v i	vi xxix	v xix xxii	vi xvi	ii xxxiii	iiii vii i	i iiii	i xii xliii
v ii	vi xxviii	v xix xxvii	vi x	ii xxiii	iiii vii i	i iiii	i x xxv
v iii	vi xxvii	v xix xxxii	vi ō	ii xviii	iiii vii ii	i iii	i viii vi
v iiii	vi xxvi	v xix xxxviii	v xlix	ii xiii	iiii vii ii	i iii	i v xlv
v v	vi xxv	v xix xliiii	v xxxvii	ii viii	iiii vii iii	i iii	i iii xxiiii
v vi	vi xxiiii	v xix xlix	v xxvi	ii iii	iiii vii iiii	i iii	i i i
v vii	vi xxiii	v xix lv	v xiiii	i lviii	iiii vii v	i ii	ō lviii xxxvii
v viii	vi xxii	v xx i	v iii	i liii	iiii vii v	i ii	ō lvi xi
v ix	vi xxi	v xx vii	iiii l	i xlviii	iiii vii vi	i ii	ō liii xlv
v x	vi xx	v xx xiii	iiii xxxviii	i xliii	iiii vii vi	i ii	ō li xviii
v xi	vi xix	v xx xix	iiii xxvi	i xxxviii	iiii vii vii	i i	ō xlviii vii
v xii	vi xviii	v xx xxvi	iiii xiii	i xxxiii	iiii vii vii	i i	ō xlvi xxi
v xiii	vi xvii	v xx xxxii	iiii ō	i xxviii	iiii vii viii	i i	ō xliii xlix
v xiiii	vi xvi	v xx xxxviii	iii xlviii	i xxiii	iiii vii viii	i i	ō xli xvii
v xv	vi xv	v xx xlv	iii xxxv	i xviii	iiii vii ix	i ō	ō xxxviii xlv
v xvi	vi xiiii	v xx lii	iii xxii	i xiii	iiii vii ix	i ō	ō xxxvi xi
v xvii	vi xiii	v xx lviii	iii viii	i viii	iiii vii ix	i ō	ō xxxiii xxxvii
v xviii	vi xii	v xxi v	ii liiii	i iii	iiii vii ix	i ō	ō xxxi iii
v xix	vi xi	v xxi xii	ii xl	ō lvii	iiii vii x	i lix	ō xxviii xxviii
v xx	vi x	v xxi xix	ii xxvi	ō lii	iiii vii x	i lix	ō xxvi xxiii
v xxi	vi viiii	v xxi xxvi	ii xii	ō xlvii	iiii vii x	i lix	ō xxiii xvii
v xxii	vi viii	v xxi xxxiii	i lviii	ō xli	iiii vii x	i lix	ō xx xli
v xxiii	vi vii	v xxi xli	i xliii	ō xxxvi	iiii vii x	i lviii	ō xviii iiii
v xxiiii	vi vi	v xxi xlviii	i xxix	ō xxxi	iiii vii xi	i lviii	ō xv xlviii
v xxv	vi v	v xxi lv	i xiiii	ō xxv	iiii vii xi	i lviii	ō xiii li
v xxvi	vi iiii	v xxii ii	i ō	ō xx	iiii vii xi	i lviiii	ō xv xiiii
v xxvii	vi iii	v xxii x	ō xlv	ō xv	iiii vii xi	i lvii	ō vii xxxix
v xxviii	vi ii	v xxii xvii	ō xxx	ō x	iiii vii xi	i lvii	ō v v
v xxix	vi i	v xxii xxv	ō xv	ō v	iiii vii xi	i lvii	ō ii xxxi
v ō	vi ō	v xxii xxxii	ō ō	ō ō	iiii vii xi	i lvii	ō ō ō

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	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN
	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE
i	iii	xvi	iii	xi	i	viii	xxviii PIS	lviii CES	xxviii	lii
ii	iiii	xix	iiii	xv	ii	xvi	o	iii	xxix	lvi
iii	v	xxiii	v	xx	iii	xxv	i	viii	ARI i	ES i
iiii	vi	xxvii	vi	xxiiii	iiii	xxxii	ii	xiiii	ii	v
v	vii	xxx	vii	xxviii	v	xl	iii	xix	iii	viii
vi	viii	xxxiii	viii	xxxi	vi	xlvii	iiii	xxv	iiii	xiiii
vii	ix	xxxv	ix	xxxiiii	vii	lv	v	xxx	v	xix
viii	x	xxxviii	x	xxxvii	ix	iii	vi	xxxvi	vi	xxiii
viiii	xi	xl	xi	xl	x	x	vii	xlii	vii	xxviii
x	xii	xliii	xii	xliii	xi	xviii	viii	xlviii	viii	xxxiii
xi	xiii	xlvi	xiii	xlvi	xii	xxvii	ix	liiii	ix	xxxix
xii	xiiii	xlvi	xiiii	xlix	xiii	xxxvi	xi	ii	x	xlv
xiii	xv	xlviii	xv	lii	xiiii	xlv	xii	x	xi	li
xiiii	xvi	l	xvi	lvi	xv	liiii	xiii	xviii	xii	lviii
xv	xvii	lii	xvii	lix	xvii	iii	xiiii	xxvi	xiiii	v
xvi	xviii	liii	xix	iii	xviii	xiii	xv	xxxv	xv	xii
xvii	xix	lv	xx	vi	xix	xxiii	xvi	xliiii	xvi	xix
xviii	xx	lvi	xxi	ix	xx	xxxiii	xvii	liii	xvii	xxvii
xix	xxi	lviii	xxii	xiii	xxi	xliii	xix	iii	xviii	xxxv
xx	xxii	lix	xxiii	xvi	xxii	liiii	xx	xiii	xix	xliii
xxi	xxiiii	o	xxv	xix	xxiiii	v	xxi	xxv	xx	li
xxii	xxv	i	xxvi	xxii	xxv	xvi	xxii	xxxiiii	xxi	lix
xxiii	xxvi	ii	xxvii	xxvi	xxvi	xxviii	xxiii	xlv	xxiii	vii
xxiiii	xxvii	iii	xxviii	xxix	xxvii	xl	xxiiii	lvi	xxiiii	xv
xxv	xxviii	iii	xxix CAPRICORN'	xxxii	xxviii AQVA	lii RIVS	xxvi	vii	xxv	xxiii
xxvi	xxix	iii	o	xxxv	o	iiii	xxvii	xix	xxvi	xxxi
xxvii	SAGI o	TARI' iiii	i	xxxviii	i	xvi	xxviii	xxxi	xxvii	xxxix
xxviii	i	iiii	ii	xlii	ii	xxviii	xxix	xliii	xxviii	xlviii
xxix	ii	v	iii	xlv	iii	xli	i	lv	xxix TAV	lvii ROS
xxx	iii	v	iiii	xlviii	iiii	liiii	iii	xxxi	i	vii

	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN
	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE
i	iiii	v	iiii	lii	vi	viii	iii	xxii	ii	xvi
ii	v	v	v	lvi	vii	xxii	iiii	xxxvi	iii	xxv
iii	vi	v	vii	o	viii	xxxvi	v	l	iiii	xxxv
iiii	vii	vi	viii	iiii	ix	li	vii	iiii	v	xliiii
v	viii	vi	ix	viii	xi	vi	viii	xviii	vi	liiii
vi	ix	vi	x	xii	xii	xxi	ix	xxxii	viii	iiii
vii	x	vi	xi	xvii	xiii	xxxvii	x	xlvi	ix	xiiii
viii	xi	vi	xii	xxi	xiiii	liii	xii	ii	x	xxiiii
viiii	xii	vi	xiii	xxvi	xvi	ix	xiii	xvii	xi	xxxiiii
x	xiii	vi	xiiii	xxx	xvii	xxv	xiiii	xxxii	xii	xliiii
xi	xiiii	vi	xv	xxxv	xviii	xlii	xv	xlviii	xiii	lii
xii	xv	vi	xvi	xli	xix	lix	xvii	iiii	xv	ii
xiii	xvi	vi	xvii	xlvii	xxi	xvi	xviii	xx	xvi	xii
xiiii	xvii	vii	xviii	liii	xxii	xxxiiii	xix	xxxvi	xvii	xxi
xv	xviii	vii	xix	lix	xxiii	lii	xx	liii	xviii	xxxi
xvi	xix	vii	xxi	iiii	xxv	ix	xxii	ix	xix	xl
xvii	xx	vii	xxii	x	xxvi	xxvi	xxiii	xxv	xx	l
xviii	xxi	vii	xxiii	xvi	xxvii	xliiii	xxiiii	xli	xxi	lix
xix	xxii	vii	xxiiii	xxii	xxix PIS	i CES	xxv	lvii	xxiii	ix
xx	xxiii	vii	xxv	xxix	o	xix	xxvii	xiii	xxiiii	xviii
xxi	xxiiii	vii	xxvi	xxxv	i	xxxviii	xxviii	xxx	xxv	xxviii
xxii	xxv	viii	xxvii	xli	ii	lviii	xxix	xlvii	xxvi	xxxvii
xxiii	xxvi	viii	xxviii	l	iiii	xviii	ARI i	ES. iiii	xxvii	xlvii
xxiiii	xxvii	viii	xxix	lviii	v	xxxviii	ii	xxi	xxviii	lvi
xxv	xxviii	ix	AQV i	ARIUS vi	vi	lviii	iii	xxxix	TAV o	RVS vi
xxvi	xxix	x	ii	xvii	viii	xxii	iiii	lvii	i	xvi
xxvii	CAPRI o	CORN'. xii	iii	xxviii	ix	xlvi	vi	xvii	ii	xxvi
xxviii	i	xiiii	iiii	xxxix	xi	xi	vii	xxxvi	iii	xxxvi
xxix	ii	xvi	v	l	xii	xxxvi	viii	lv	iiii	xlvii
xxx	iii	xviii	vii	i	xiiii	o	x	xv	v	lvii

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	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN		GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN
	DVS	VTE	DVS	VTE	DVS	VTE	DVS	TE	DVS	VTE		DVS	TE	DVS	VTE	DVS	V TE	DVS	VTE	DVS	VTE
i	iiii	xviii	viii	ix	xv	xvii	xi	xxx	vii	v	i	v	xxxii	xiii	xxvi	xxiii	xxi	xvii	xv	ix	xxvi
ii	v	xxv	ix	xvii	xvi	xxxv	xii	xlv	viii	xiii	ii	vi	xxxvi	xiiii	xxxvi	xxiiii	xxix	xviii	xix	x	xxxvi
iii	vi	xix	x	xxiiii	xvii	lii	xiiii	o	ix	xx	iii	vii	xxxix	xiiii	xlvi	xxv	xxxvii	xix	xxiii	xi	xxxviii
iiii	vii	xx	xi	xxxiiii	xix	x	xv	xv	x	xxvii	iiii	viii	xliii	xvi	lvi	xxvi	xlv	xx	xxvii	xii	xxxix
v	viii	xxi	xii	xl	xx	xxxvii	xvi	xxx	xi	xxxiiii	v	ix	xlvi	xviii	v	xxvii	liii	xxi	xxxi	xiii	xl
vi	ix	xxii	xiii	l	xxi	xlvii	xvii	xlv	xii	xlii	vi	x	l	xix	xiiii	xxviii	lviii	xxii	xxxviii	xiiii	xxxix
vii	x	xxiiii	xv	i	xxiii	vii	xix	o	xiii	xlix	vii	xi	liiii	xx	xxii	TAV o	RVS ii	xxiiii	xxxviii	xv	xxxviii
viii	xi	xxvi	xvi	xii	xxiiii	xxvii	xx	xi	xiiii	lvii	viii	xii	lviii	xxi	xxx	i	vi	xxiiii	xxxv	xvi	xxxvii
ix	xii	xxviii	xvii	xxiii	xxv	xlvi	xxi	xxiiii	xvi	iiii	ix	xiiii	i	xxii	xxxviii	ii	x	xxv	xxxvi	xvii	xxxvi
x	xiii	xxx	xviii	xxviii	xxvii	vii	xxii	xxxviii	xvii	xi	x	xv	v	xxiii	xl	iii	xiii	xxvi	xxxvii	xviii	xxv
xi	xiiii	xxxii	xix	xlv	xxviii	xxv	xxiii	xlix	xviii	xvii	xi	xvi	ix	xxiiii	liii	iiii	xv	xxvii	xxxvi	xix	xxiii
xii	xv	xxxiiii	xx	lv	xxix	xliii	xxv	ii	xix	xxvi	xii	xvii	xiii	xxvi	o	v	xvi	xxviii	xxxv	xx	xxxii
xiii	xvi	xxxvi	xxii	v	ARI i	ES i	xxvi	xiiii	xx	xxix	xiii	xviii	xvi	xxvii	vii	vi	xvi	xxix Gem	xxxiiii ini	xxi	xxx
xiiii	xvii	xxxviii	xxiii	xv	ii	xix	xxvii	xxxvi	xxi	xxxv	xiiii	xix	xx	xxviii	liii	vii	xvii	o	xxxii	xxii	xxviii
xv	xviii	xl	xxiiii	xxvi	iii	xxxvi	xxviii	xxxviii	xxii	xl	xv	xx	xxiiii	xxix ARI	xix ES	viii	xviii	i	xxx	xxiii	xxvi
xvi	xix	xlii	xxv	xxxviii	iiii	liiii	xxix	l	xxiii	xlvi	xvi	xxi	xxviii	o	xxiiii	ix	xvii	ii	xxvii	xxiiii	xxiiii
xvii	xx	xlv	xxvi	l	vi	xi	TAV o	RVS lix	xxiiii	li	xvii	xxii	xxxi	i	xxix	x	xiiii	iii	xxiiii	xxv	xx
xviii	xxi	xlviii	xxviii	ii	vii	xxviii	ii	viii	xxv	lvi	xviii	xxiii	xxxv	ii	xxiiii	xi	xii	iiii	xxi	xxv	xviii
xix	xxii	li	xxix PIS	xiiii CES	viii	xlv	iii	xvii	xxvii	i	xix	xxiiii	xxxviii	iii	xxix	xii	x	v	xvii	xxvii	xiii
xx	xxiii	liiii	o	xxvi	x	ii	iiii	xxvi	xxviii	vi	xx	xxv	xlii	iiii	xliiii	xiii	viii	vi	xiii	xxviii	ix
xxi	xxiiii	lvii	i	xxxvii	xi	xvii	v	xxxv	xxix Gem	x ini	xxi	xxvi	xlv	v	xlvi	xiiii	iii	vii	vii	xxix	v
xxii	xxvi	o	ii	xlviii	xii	xxxii	vi	xliiii	o	xiiii	xxii	xxvii	xlix	vi	xlix	xiiii	lviii	viii	i	xxix	lvi
xxiii	xxvii	iii	iii	lix	xiii	xlvi	vii	liii	i	xvii	xxiii	xxviii	lii	vii	li	xv	lii	viii	lv	CAN o	CER li
xxiiii	xxviii	vi	v	x	xv	o	ix	iii	ii	xx	xxiiii	xxix	lv	viii	liii	xvi	xlvi	ix	xlix	i	xlv
xxv	xxix AQUA	x RIUS	vi	xxi	xvi	xiiii	x	xi	iii	xxiii	xxv	PIS o	CES lviii	ix	lv	xvii	xl	x	xlii	ii	xlii
xxvi	o	xiii	vii	xxxii	xviii	xxvi	xi	xx	iiii	xxvi	xxvi	ii	ii	x	lvii	xviii	xxxiiii	xi	xxxvi	iii	xxxvii
xxvii	i	xvi	viii	xliii	xviii	xxxviii	xii	xxxiiii	v	xxix	xxvii	iii	v	xi	lix	xix	xxxviii	xii	xxx	iiii	xxxiii
xxviii	ii	xx	ix	liiii	xix	l	xiii	xlvi	vi	xxxi	xxviii	iiii	ix	xiii	i	xx	xxxii	xiii	xxiiii	v	xxviii
xxix	iii	xxiiii	xi	v	xxi	i	xiiii	lviii	vii	xxxiii	xxix	v	xii	xiiii	iii	xxi	xvi	xiiii	xvii	vi	xxiii
xxx	iiii	xxviii	xii	xvi	xxii	xii	xvi	x	viii	xxxv	xxx	vi	xvi	xv	v	xxii	x	xv	x	vii	xviii

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	GRA ANN	GRA ANN	GRA ANN	GRA ANN	GRA ANN		GRA ANN	GRA ANN	GRA ANN	GRA ANN	GRA ANN
	DVS VTE	DVS VTE	DVS VTE	DVS VTE	DVS VTE		DVS VTE	DVS VTE	DVS VTE	DVS VTE	DVS VTE
i	vii xvi	xvi ō	xxii liiii	xv lvii	viii xv	i	vi xl	xi xxxvi	xiii xxxv	viii xxiiii	iii xlvi
ii	viii xvi	xvi lv	xxiii xxxviii	xvi xliiii	ix vii	ii	vii xxxv	xii xxvii	xiiii xi	ix vi	iiii xxxvi
iii	ix xvi	xvii l	xxiiii xxii	xvii xxi	ix lix	iii	viii xx	xiii viii	xiiii xlvi	ix xlvii	v xxvi
iiii	x xvii	xviii xlv	xxv vi	xviii xviii	x li	iiii	ix xxv	xiii liii	xv xxiii	x xxviii	vi xv
v	xi xvii	xix xxxix	xxv l	xix v	xi xliii	v	x xx	xiiii xxxviii	xv lix	xi ix	vii iiii
vi	xii xvii	xx xxiiii	xxvi xxxv	xix lix	xii xxxv	vi	xi xiiii	xv xxii	xvi xxxiiii	xi l	vii liii
vii	xiii xviii	xxi xxix	xxvii xxii	xx xl	xiii xxviii	vii	xii viii	xvi vi	xvii viii	xii xxx	viii xlii
viii	xiiii xix	xxii xxiiii	xxviii vii	xxi xxviii	xiiii xx	viii	xiii ii	xvi xlvi	xvii xlii	xiii x	ix xxxi
ix	xv xx	xxiii xix	xxviii lii	xxii xv	xv xiii	ix	xiii lvi	xvii xxxii	xviii xvi	xiii l	x ix
x	xvi xxi	xxiiii xiiii	xxix xxxvii	xxiii iii	xvi v	x	xiiii l	xviii xv	xviii l	xiiii xxx	xi x
xi	xvii xxi	xxv viii	Gemi ni ō xxi	xxiii l	xvi lvii	xi	xv xliiii	xviii lviii	xix xxiiii	xv x	xi lix
xii	xviii xxi	xxvi ii	i v	xxiiii xxvii	xvii xlix	xii	xvi xxvii	xix xli	xix lviii	xv l	xii xlix
xiii	xix xxi	xxvi lv	i xlix	xxv xxiii	xviii xli	xiii	xvii xxx	xx xxiiii	xx xxxii	xvii xxx	xiii xxvii
xiiii	xx xxi	xxvii xlviii	ii xxxii	xxvi ix	xix xxxii	xiiii	xviii xxiii	xxi v	xxi vi	xvii x	xiiii xxxvii
xv	xxi xxi	xxviii xli	iii xv	xxvi lv	xx xxiiii	xv	xix xvi	xxi xlviii	xxi xxxix	xviii l	xv xvi
xvi	xxii xx	xxix xxxii	iii lvii	xxvii xxxix	xxi xiiii	xvi	xx ix	xxii xxix	xxii xiii	xviii xxx	xvi v
xvii	xxiii xix	Tau Ros ō xxii	iiii xxxix	xxviii xxiii	xxii v	xvii	xxi ii	xxiii xi	xxii xlvii	xix x	xvi liiii
xviii	xxiiii xvii	i xii	v xxi	xxix vii	xxii lv	xviii	xxi liiii	xxiii liii	xxiii xx	xix l	xvii xliiii
xix	xxv xv	ii ii	vi i	xxix li Can cer	xxiii xlv	xix	xxii xlvi	xxiiii xxxv	xxiii liii	xx xxx	xviii xxxiiii
xx	xxvi xiii	ii xvii	vi xliii	ō xxxv	xxiii xxxv	xx	xxiii xxxviii	xxv xvi	xxiiii xxvi	xxi xi	xix xxiiii
xxi	xxvii xi	iii xli	vii xx	i xix	xxv xxvi	xxi	xxiiii xx	xxv lvii	xxiiii lix	xxi l	xx xiiii
xxii	xxviii ix	iiii xxx	vii lviii	ii iii	xxvi xvii	xxii	xxv xxvii	xxvi xxxviii	xxv xxiii	xxii xxx	xxi iiii
xxiii	xxix vii Ari es	v xix	viii xxxvi	ii xlvi	xxvii vii	xxiii	xxvi xiiii	xxvii xix	xxvi v	xxiii ix	xxi liiii
xxiiii	ō v	vi viii	ix xiiii	iii xxix	xxvii lviii	xxiiii	xxvii v	xxviii ō	xxvii xxxviii	xxiii xlix	xxii xlv
xxv	i ii	vi lvii	ix lii	iiii xii	xxviii xlviii	xxv	xxviii lvi	xxviii xli	xxviii xi	xxiiii xxix	xxiii xxxv
xxvi	i lix	vii xliiii	x xxx	iiii liiii	xxix xxxviii	xxvi	xxviii xliiii	xxix xxiii	xxviii xlv	xxv x	xxiiii xxv
xxvii	ii lvii	viii xxxi	xi vii	v xxxvi	Le o ō xxviii	xxvii	xxix xxix Tau Ros	Gem ini ō iiii	xxviii xviii	xxv l	xxv xv
xxviii	iii lii	ix xviii	xi xliiii	vi xxviii	i xvii	xxviii	ō xxx	ō xlv	xxviii lii	xxvi xxxi	xxvi vi
xxix	iiii xlviii	x iiii	xii xxi	vii ō	ii vii	xxix	i xxi	i xxvi	xxviii xxvi Can cer	xxvii xii	xxvi lvii
xxx	v xlviii	x l	xii lviii	vii xlii	ii lvi	xxx	ii xii	ii vii	ō ō	xxvii xxii	xxvii xlviii

QVINQVE GRADVS ARIETIS LATITVDINIS. XXXVIII. XXX.

	Exagonium. xlix. iii.				Tetragonum. Lxxiii. xxxiiii.				Trigonum. xcviii. vi.			
	Aries.		Taurus.		Gemini.		Cancer		Leo.		Virgo.	
	Libra.		Scorpius.		Sagitarius		Capricornus.		Aquarius.		Pisces.	
	horoscopus		horoscopus		horoscopus		horoscopus.		horoscopus		horoscopus.	
	gradus	minutae	gradus	minutae	gradus	minutae	gradus	minutae	gradus	minutae	gradus	minutae
v	ii	lviii	xxi	l	xlv	xx	lxxvi	o	cvi	xxxii	cxxxi	ix
x	v	lvi	xxv	xv	xlix	l	lxxxi	x	cxi	xliii	cxxxiiii	xxvii
xv	viii	lv	xxviii	l	liiii	xlix	lxxxvi	xiii	cxvi	lv	cxxxviii	xxix
xx	xi	liii	xxxii	xxviii	lx	x	xci	xvii	cxx	xi	cxli	xliiii
xxv	xv	vii	xxxvi	xxxiii	lxv	xiii	xcvi	vi	cxxiiii	vi	cxliii	xlvi
xxx	xviii	xxv	xl	xlv	lxx	xxxv	cii	lviii	cxxvi	xlix	clvi	ix

DECEM GRADVS ARIETIS.

	Exagonum. xlii. xi				Tetragonum. lxxiii. xlvi				Trigonum. xcviii. xxii.			
v	ii	lv	xxi	xl	xlv	iii	lxxv	xlv	cvii	xxx	cxxxii	xiii
x	v	xxv	xxv	xviii	xlix	xxviii	lxxi	xiii	cxi	lii	cxxxv	xxxvii
xv	viii	l	xxviii	l	liiii	xxviii	lxxxvi	xlv	cxvi	viii	cxxxvii	lix
xx	xi	liii	xxxii	xviii	lix	xl	xcii	xii	cxx	xxv	cxli	xxvii
xxv	xv	v	xxxv	xxx	lxiiii	xl	xcvii	xxxv	cxxiiii	xvi	cxliii	xxx
xxx	xviii	xxv	xl	xxxv	lxx	xxv	ciii	o	cxxvi	xxv	cxlvii	xcii

QVINDECIM GRADVS ARIETIS.

	Exagonum. xlix. xxxii.				Tetragonum. lxxiiii. xviii.				Trigonum. xcix. iiii.			
v	ii	liiii	xxi	xli	xlv	xl	lxxv	xl	cvii	lii	cxxxii	xxxi
x	v	xlix	xxv	xxix	xlix	xl	lxxxi	xiiii	cxii	xvi	cxxxv	lii
xv	viii	xlix	xxviii	xlix	liiii	xxix	lxxxvi	liii	cxvi	xlvii	cxxxix	viii
xx	xi	lvii	xxxii	xxix	lix	xlviii	xcii	xxvi	cxxi	v	cxlii	xxvi
xxv	xv	ix	xxxvi	xxiii	xliiii	lviii	xcvii	lii	cxxv	ii	cxlv	xxviii
xxx	xviii	xxv	xl	xxxix	lxx	xxix	ciii	xviii	cxxix	l	cxlviii	xxxvi

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VIGINTI GRADUS ARIETIS

	Exagonum. xlix. lvii				Tetragonū. lxxiiii. lvi.				Trigonum. xcix. liiii.			
	Aries. Libra.		Taurus. Scorpius.		Gemini. Sagitarius.		Cancer. Capricornus.		Leo. Aquarius.		Virgo. Pisces.	
	horoscopus.		horoscopus		horoscopus		horoscopus		horoscopus		horoscopus.	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute.
v	ii	lviii	xxi	xliii	xlv	xxiiii	lxxv	liiii	cviii	xxi	cxxiii	xix
x	v	lv	xxv	xxviii	xlix	xlix	lxxi	xxiiii	cxii	liiii	cxxvi	lii
xv	ix	ii	xxix	x	liiii	liiii	lxxvi	lvi	cxvii	xviiii	cxl	xii
xx	xii	x	xxxii	xxxv	lix	lvii	xcii	xxxii	cxxi	xxxix	cxliii	xix
xxv	xv	xvii	xxxvi	xxxii	lxv	ō	xcviii	iiii	cxxv	xlix	cxlvi	xxii
xxx	xviii	i	xl	xxix	lx	xxxiiii	ciii	xxxix	cxxix	liiii	cxlix	xxxii

VIGINTI QUINQUE GRADUS ARIETIS

	Exagonum. l. xxx.				Tetragonum. lxxv. xliii.				Trigonum. c. lviii.			
v	ii	lviii	xxii	v	xlv	xxii	lxxvi	v	cviii	l	cxxiiii	xx vi
x	vi	ō	xxv	xxviii	xlix	l	lxxxi	xxxv	cxiii	xxxv	cxxviii	iiii
xv	ix	vii.	xxix	xx	liiii	xl	lxxxvii	xv	cxviii	ō	cxli	xxi
xx	xii	x	xxxii	liiii	lix	li	xcii	liii	cxxii	xxxv	cxliiii	xxi
xxv	xv	xxv	xxxvi	xliii	lxv	ō	xcviii	xxx	cxxvi	xlviii	cxlvii	li
xxx	xviii	xl	xl	xv	lxx	xl	ciiii	v	cxxx	lvi	cli	xxvi

TRIGINTA GRADUS ARIETIS

	Exagonum. l. xlvii.				Tetragonum. lxxvi. x				Trigonum. c. lviii.			
v	iii	ō	xxii	xv	xlv	xxx	lxxv	lv	cix	viii	cxxxv	xii
x	vi	v	xxv	xlv	xlix	lv	lxxxi	xxv	cxiii	lviii	cxxxviii	xxxvii
xv	ix	x	xxix	xxix	liiii	xliii	lxxxvii	v	cxviii	xlv	cxlii	vii
xx	xii	xx	xxxii	lx	lix	xlv	xcii	xl	cxxiii	ō	cxlv	xxxiii
xxv	xv	xxxv	xxxvii	ō	lxiiii	lv	xcviii	xxv	cxxvii	xv	cxlviii	xxxiii
xxx	xviii	l	xli	v	lxx	xxx	ciiii	xv	cxxxi	xxxv	clii	xliii

QVINQVE. GRADVS. TAVRI.

	EXAGONVM. L. LIIII.				TETRAGONVM. LXXVI. XXI.				TRIGONVM. CI. LXX.			
	TAVRVS. SCORPIVS.		GEMINI. SAGITARIVS.		CANCER. CAPRICORNVS.		LEO. AQVARIVS.		VIRGO. PISCES		LIBRA. ARIES.	
	HOROSCOPVS.		HOROSCOPVS.		HOROSCOPVS		HOROSCOPVS.		HOROSCOPVS.		HOROSCOPVS.	
	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE
v	iii	xx	xvi	xvi	lvi	xlv	lxxix	liii	cxvi	xxiii	cxxvii	xliii
x	vi	xliii	xxx	l	lxii	xv	xciiii	xlii	cxx	xxi	cxxix	liii
xv	x	xx	xxxvi	xxx	lxvii	xlvi	xcix	xxiii	cxiii	xxv	cxliii	ii
xx	xiiii	xliii	xl	xl	lxxiii	xxx	ciiii	xlix	cxxvi	lv	cxlvi	xiii
xxv	xvii	xxvii	xlv	liii	lxxix	xvii	cviii	xxxi	cxx	xxiii	cxlix	xxxi
xxx	xxii	o	l	xv	lxxv	i	cxii	liii	cxxiii	liii	clii	xliii

DECEM. GRADVS. TAVRI.

	EXAGONVM. LI. XXXIIII.				TETRAGONVM. LXXVI. XXI.				TRIGONVM. CIII. VIII.			
v	iii	xviii	xxvi	xxviii	lvi	l	xc	xv	cxvii	xxxvi	cxxxviii	xlviii
x	vi	l	xxxi	o	lxii	xx	xcv	x	cxxi	xvi	xli	liii
xv	x	xxxv	xxxv	xl	lxvii	vii	c	v	cxxiiii	xlvi	cxliiii	lv
xx	xiiii	xxii	xli	l	lxxiii	l	ciiii	l	cxxviii	xxiii	cxlvii	xi
xxv	xviii	viii	xlv	lv	lxxix	xxxvi	cix	xxix	cxxxii	viii	cli	xxviii
xxx	xxii	xx	li	xxix	lxxxv	xx	cxiii	lviii	cxxxv	xliii	cliiii	xliii

QVINDECIM. GRADVS. TAVRI.

	EXAGONVM. LIIII. XXXVII.				TETRAGONV. LXXXI. LV.				TRIGONVM. CIX. XIII.			
v	iii	xv	xxvi	xv	lvi	xxviii	lxxix	xxi	cxvii	xvi	cxxxviii	xlv
x	vi	xlv	xxx	xl	lxi	liii	xciiii	xviii	cxx	lvi	xli	lviii
xv	x	xxv	xxxv	xxx	lxvii	xliii	xcix	xviii	cxxiiii	xxxv	cxliiii	xiii
xx	xiiii	viii	xl	xl	lxxiii	xxxv	ciiii	xiii	cxxviii	xvi	cxlvii	xxvii
xxv	xviii	xii	xlv	l	lxxix	ix	cviii	xliii	cxxxi	lvi	cli	xli
xxx	xiii	v	li	viii	lxxxiiii	xviii	cxiii	xxxi	cxxxv	xxxi	cliiii	liii

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VIGINTI. GRADUS. TAURI.

	Exagonum. LII. XXIX.				Tetragonum. LXXVIII. XLIIII				Trigonum. CIIII. CIX			
	Taurus.		Gemini.		Cancer.		Leo		Virgo.		Libra.	
	Scorpius.		Sagitarius.		Capricorn.		Aquarius.		Pisces.		Aries.	
	horoscopus.		horoscopus		horoscopus.		horoscopus		horoscopus.		horoscopus.	
	gradus	minutę	gradus	minutę	gradus	minutę	gradus	minutę	gradus	minutę	gradus	minutę
v	iii	xxxv	xxvi	xlviii	lvi	lviii	xc	xxxviii	cxix	lv	cxli	iii
x	vi	lii	xxxi	v	lxii	xxxiii	xcvii	l	cxxiii	iii	cxliiii	xiii
xv	x	xl	xxxv	liii	lxviii	xviii	cii	xxxiii	cxxvi	xliii	cxlviii	xxxi
xx	xiiii	xx	xl	lv	lxxiiii	xxi	cvii	xlvii	cxxx	xxviii	cl	xlviii
xxv	xviii	xxv	xlvi	xiiii	lxxx	v	cxii	xxxii	cxxxiii	iii	cliiii	xiii
xxx	xxii	xxv	li	xxxiii	lxxxv	xxviii	cxv	xxiii	cxxxvii	liii	clvii	xxviii

VIGINTIQUINQUE GRADUS. TAURI.

	Exagonum. LIII. XXX.				Tetragonū. LXXX. XVI.				Trigonum. LVII. ō.			
v	iii	xxx	xxxvi	xlv	lvii	xiii	xci	lii	cxxi	xvi	cxliii	xxxvi
x	vi	v	xxxi	v	lxii	xli	xcvii	v	cxxv	xi	cxlvii	vi
xv	x	xl	xxxv	l	lxviii	xviii	cii	xv	cxxix	iiii	cl	xxiiii
xx	xiiii	xx	xl	liii	lxxiiii	xxiii	cvii	xxv	cxxxii	lvi	cliii	xli
xxv	xviii	xxv	xlvi	v	lxxx	xxiii	cxii	xx	cxxxvi	xliii	clvii	ix
xxx	xxii	xxv	li	xliii	lxxxvi	xxv	cxvii	xvi	cxl	xli	clx	xxxi

TRIGINTA. GRADUS. TAURI.

	Exagonū. CIIII. XXXVII.				Tetragonū. LXXI. LV.				Trigonum. CIX. XIII.			
v	iii	xxxv	xxvii	xxv	lvii	xxxv	xcii	xxxv	cxxiii	viii	cxlvi	xxviii
x	vii	x	xxxi	l	lxiii	xx	xcvii	ō	cxxvii	xvii	cxlix	l
xv	x	l	xxxvi	xxviii	lxix	ō	ciii	xx	cxxxi	xv	cliii	x
xx	xiiii	xxxv	xli	xxviii	lxxiiii	xlv	cviii	xxx	cxxv	xv	clvi	xxxviii
xxv	xviii	xliiii	xlvi	xlvii	lxxxi	ō	cxiii	xliii	cxxxix	vii	clx	xviii
xxx	xxii	lv	lii	ō	lxxxvii	v	cxix	ō	cxliii	v	cxxiii	l

QVINQVE . GRADVS GEMINORVM.

	Exagonum. liiii. xl				Tetragonū. lxxxi. ō.				Trigonum. c.ix. xix.			
	Gemini.		Cancer		Leo.		Virgo.		Libra		Scorpius.	
	Sagitarius.		Capricornus.		Aquarius		Pisces.		Aries		Taurus.	
	Horoscopus.		Horoscopus		Horoscopus		Horoscopus		Horoscopus.		Horoscopus.	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
v	iiii	xxv	xxxiiii	xx	lxix	xxvi	c	xviii	cxiiii	ix	cxlv	xxxiiii
x	viii	xl	xl	iii	lxxiiii	lviii	ciiii	xxviii	cxxvii	xliiii	cxlix	xxv
xv.	xiii	xxx	xlvi	ii	lxxx	xxiii	cviii	xxxviii	cxxxi	xiii	cliii	ii
xx	xviii	xxxv	li	liii	lxxxv	xiii	cxii	xlii	cxxxiiii	xliiii	clvi	xlix
xxv	xxiii	xlv	lvii	liii	xc	lviii	cxvi	xxxviii	cxxxviii	xxix	clx	xlix
xxx	xxix	iii	lxiii	lviii.	xcvi	xiii	cxx	liiii	cxli	lix	clxiii	lix

DECEM. GRADVS GEMINORVM

	Exagonum. lv. lv.				Tetragonū. lxxxiii. lii.				Trigonū. cxi. l.			
v	iiii	xxii	xxxiiii	xxv	lxix	xlv	ci	xl	cxxvi	lvii	cxlvii	v
x	viii	xlv	xl	xv	lxxv	xxi	cvi	vii	cxxix	lii	cli	xlviii
xv	xiii	ō	xlvi	ō	lxxx	lviii	cx	xxii	cxxxiii	xx	clv	xlii
xx	xviii	xxxv	lii	ō	lxxxvi	xxxv	cxiiii	xxxviii	cxxxvii	v	clix	xxii
xxv	xxiii	xl	lviii	ō	xci	lv	cxviii	xxxiiii	cxl	lvii	clxiii	xxxix
xxx	xxix	ō	lxiii	x	xcvii	xvii	cxxii	xlvii	cxliiii	xxxii	clxvii	xlv

QVINDECIM GRADVS GEMINORVM

	Exagonum. lvi. xlii.				Tetragonū. lxxv. iii.				Trigonum. cxiii. xviiii.			
v	iiii	xx	xxxiiii	l	lxix	liiii	cii	xxiii	cxviii	xxvii	cl	xx
x	ix	xxxv	xl	x	lxxiiii	xliiii	cvii	vi	cxxi	lv	cliiii	x
xv	xiii	lv	xlvi	viii	lxxxi	xxiiii	cxi	xxxv	cxxv	xxv	clvii	lvi
xx	xviii	xl	lii	x	lxxxvii	ix	cxv	lv	cxxix	iii	clxi	xlv
xxv	xxiii	xlv	lviii	xii	xcii	xxxvi	cxx	ō	cxlii	vii	clxv	lv
xxx	xxv	v	lxiiii	xvi	xcviii	viii	cxxiiii	xxxv	cxlvi	xl	clxx	vii

VIGINTI. GRADUS. GEMINORUM.

	EXAGONUM. LVII. XXXIIII.				TETRAGONUM. LXXVI. XXII.				TRIGONUM. CXV. VIII.			
	GEMINI.		CANCER.		LEO.		VIRGO.		LIBRA.		SCORPIUS.	
	SAGITARIUS.		CAPRICORNUS.		AQUARIUS		PISCES.		ARIES.		TAURUS.	
	HOROSCOPUS.		HOROSCOPUS		HOROSCOPUS.		HOROSCOPUS		HOROSCOPUS		HOROSCOPUS.	
	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE
v	iiii	xl	xxxv	xv	lxx	l	ciiii	x	cxxx	xxxv	clii	xxiii
x	ix	iii	xl	lv	lxxvi	xxxv	cix	ō	cxxxiiii	xx	clvi	xxiii
xv	xiii	xl	xlvi	xxxiiii	lxxxii	xviii	cxiii	xx	cxxxviii	xl	clx	lviii
xx	xviii	l	lii	xxx	lxxxviii	xv	cxvii	lii	cxlii	liii	clxiiii	xi
xxv	xxiiii	ii	lviii	xxxii	xciii	l	cxxii	x	cxlv	xviii	clxviii	xviii
xxx	xxix	xxx	lxiii	l	xcix	xxxv	cxxvi	liii	cxlviii	xxxviii	clxx	xliii

VIGINTI QUINQUE. GRADUS. GEMINORUM.

	EXAGONUM. LVIII. VI.				TETRAGONUM. LXXXVII. VIII.				TRIGONU. CXVI. XI.			
v	iiii	xxxii	xxxiiii	lv	lxix	lv	ciii	lvi	cxxxi	viii	cliiii	xl
x	viii	lvi	xl	xxvii	lxxv	xxxii	cviii	xliii	cxxxv	vi	clviii	xxxvi
xv	xiii	xlviii	xlvi	xxii	lxxxi	xxxvii	cxiii	xxii	cxxxviii	vii	clxii	viii
xx	xviii	liii	lii	xxv	lxxxvii	xxxii	cxvii	xxviii	cxlii	xlviii	clxv	xxviii
xxv	xxiiii	xiii	lviii	xxvii	xciii	xx	cxxii	xxviii	cxlvi	liii	clxix	lv
xxx	xxix	xxvii	lxiiii	xlii	xcix	x	cxxvii	xx	cl	l	clxxiiii	xvii

TRIGINTA GRADUS GEMINORUM.

	EXAGONUM. LIX. XXXVIII.				TETRAGONU. LXXXVIII. XXIX.				TRIGONUM. CXIX. XVI.			
v	iiii	xxx	xxxv	xlviii	lxx	xxxix	cv	xix	cxxxiii	liii	clvii	lix
x	viii	lv	xl	xxiii	lxxvi	xlvi	cx	xxi	cxxxvii	xli	cl i	lvi
xv	xiii	xlviii	xlvi	xxvi	lxxxii	xlvi	cxv	xiii	cxli	xlviii	clxv	lii
xx	xix	iii	lii	xviii	lxxxviii	li	cxx	viii	cxlv	lix	clxx	ix
xxv	xxiiii	iii	lviii	xxvi	xciiii	xli	cxxiiii	liii	cl	iii	clxxiiii	xxxii
xxx	xxix	xxiii	lxiiii	xlvi	c	xxxiii	cxxix	xlvi	cliiii	ix	clxxviii	lv

QVINQVE. GRADVS. CANCRI.

	Exagonum. lxi. xi.				Tetragonum. xci. xlvi.				Trigonum. cxxii. xii.			
	Cancer.		Leo.		Virgo.		Libra.		Scorpius.		Sagitarius.	
	Capricornus.		Aquarius.		Pisces.		Aries.		Taurus.		Gemini.	
	horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
v	v	xl	xli	xlv	lxxvii	xxx	cvi	lviii	cxxvii	xxii	clviii	xxviii
x	xi	x	xlvii	lvii	lxxxii	xlviii	cxi	x	cxxxiii	xxviii	clxiii	viii
xv	xvii	xx	liiii	viii	lxxxvii	xlv	cxv	xxviii	cxl	xxiii	clxvii	xlviii
xx	xxiii	ix	lx	xviii	xcii	l	cxix	xxviii	cxliiii	xlii	clxxiii	iii
xxv	xxix	xiii	lxvi	x	xcvii	xlii	cxxiii	lvi	cxlix	xi	clxxviii	v
xxx	xxxv	xl	lxxii	xx	cii	xlviii	cxxviii	xiii	cliii	xlviii	clxxx	xxiii

DECEM. GRADVS. CANCRI.

	Exagonum. lxi. liiii.				Tetragonum lxii. l.				Trigonum. cxx. xlviii.			
v	v	xxxiii	xli	xxx	lxxvii	xliii	cvii	lviii	cxxxii	lviii	clx	xxviii
x	xi	o	xlvii	xliii	lxxxiii	v	cxii	xxiii	cxxxviii	xvi	clxv	xiii
xv	xvi	lv	liii	lv	lxxxviii	xiii	cxvi	xlviii	cxlii	xxxi	clxix	lviii
xx	xxii	lviii	lx	viii	xciii	xxix	cxxi	iii	cxlvi	xxxiii	clxxv	xvi
xxv	xxix	v	lxvi	vii	xcviii	xxxv	cxxv	xxxviii	cli	xviii	clxxx	xvi
xxx	xxxv	xxv	lxxii	xxv	ciii	liii	cxxix	lviii	clv	lviii	clxxxv	xli

QVINDECIM. GRADVS. CANCRI.

	Exagonum. lxiii. liii.				Tetragonum. xciiii. l.				Trigonum. xxxvii. xlvi.			
v	v	xl	xli	xxviii	lxxviii	xxii	cix	xlvii	cxxxvii	xxix	clxiiii	xvii
x	xi	xxiii	xlvii	liii	lxxxiii	liiii	cxiiii	xxi	cxli	xlvii	clxviii	liiii
xv	xvii	o	liiii	viii	lxxxix	xxix	cxviii	liiii	cxlv	lix	clxxiii	xlix
xx	xxiii	o	lx	xxvi	xciiii	xlvii	cxxiii	xii	cl	xix	clxxix	iiii
xxv	xxix	x	lxvii	viii	xcix	lvii	cxxvii	lix	clv	vii	clxxxiiii	xiiii
xxx	xxxv	xviii	lxxii	lix	cv	xxix	cxxxiii	ix	clix	xliiii	clxxxix	xxxix

VIGINTI. GRADUS. CANCRI.

	Exagonum. lxiiii. xxxv				Tetragonum. lxvi. xxxvii.				Trigonum. cxxviii. l.			
	Cancer.		Leo.		Virgo		Scorpius		Scorpius		Sagitarius.	
	Capricorni.		Aquarius.		Pisces		Aries		Taurus.		Gemini.	
	Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus		Horoscopus		Horoscopus.	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
v	v	xl	xli	xlv	lxxv	xxx	cvi	lviii	cxxxii	xxxii	clviii	xxxviii
x	ix	x	xlvii	xxxvii	lxxxii	xlviii	cxi	x	cxxxvi	xxviii	clviii	viii
xv	xvii	viii	liiii	viii	lxxxvii	xlv	cxv	xxviii	cxl	xxxiii	clxvii	xlviii
xx	xviii	ix	lx	xviii	xcii	l	cxix	xxxviii	cxliii	xlii	clxxiii	iii
xxv	xxix	xiii	lxvi	x	xcvii	xlii	cxxiii	lvi	cxlix	xi	clxxviii	v
xxx	xxxv	xl	lxxii	xx	cii	xlviii	cxxviii	xiii	cliii	xlviii	clxxxiii	xxxiii

VIGINTI. GRADUS. CANCRI.

	Exagonum. lxv. xlii.				Tetragonum. lxxii. xlviii.				Trigonum. cxx. xxiiii.			
v	v	xl	xli	xxx	lxxvii	xliii	cvii	xxxviii	cxxxiii	lviii	clx	xxxviii
x	ix	xxiii	xlviii	xliii	lxxxiii	v	cxii	xxiii	cxxxviii	xvi	clxv	xiii
xv	xvii	ō	liiii	lv	lxxxviii	xiii	cxvi	xlviii	cxlii	xxxi	clxix	lviii
xx	xxiii	ō	lx	viii	xciii	xxix	cxxi	iii	cxlvi	xxxiii	clxxv	xvi
xxv	xxix	x	lxvii	vii	xcviii	xxxv	cxxv	xxxviii	cli	xviii	clxxx	xvi
xxx	xxxv	xviii	lxxii	xxv	ciii	liii	cxxix	lviii	clv	lviii	clxxxv	xli

TRIGINTA. GRADUS. CANCRI.

	Exagonum. lxv. lvi.				Tetragonum. xcviii. lv.				Trigonum. cxxxi. lii.			
v	v	xl	xli	xxxviii	lxxviii	xxii	cix	xlvii	cxxxvii	xxix	clxiiii	xvii
x	xi	xxiii	xlvii	liii	lxxxiii	liiii	cxiiii	xxi	cxli	xlvii	clxviii	liiii
xv	xvii	ō	liiii	viii	lxxxix	xxix	cxviii	liiii	cxlv	lix	clxxiii	xlix
xx	xxiii	ō	lx	xxxvi	xciiii	xlvii	cxxiii	xii	cl	xix	clxxix	iiii
xxv	xxix	x	lxvii	viii	xcix	lvii	cxxvii	lix	clv	vii	clxxxiii	xiiii
xxx	xxxv	xviii	lxxii	lix	cv	xxix	cxxxiii	ix	clix	xliiii	clxxxix	xxxix

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QVINQVE GRADVS. LEONIS.

	Exagonum. lxvi. xxvi.				Tetragonu. xxix. xxxix.				Trigonum. cxxxii. lii.			
	Leo.		Virgo.		Libra.		Scorpius.		Sagittarius.		Capricornus.	
	Aquarius.		Pisces.		Aries.		Taurus.		Gemini.		Cancer.	
	Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus.	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
v	vi	xxv	xliii	xxviii	lxxviii	xxiiii	cix	xv	cxxxviii	xlv	clix	xx
x	xii	xli	xlix	xl	lxxiii	xliii	cxiiii	x	cxliii	xxxix	clxv	xl
xv	xix	o	lvi	xxxviii	lxxxviii	xliii	cxix	v	cxlviii	xxxviii	clxxi	xxviii
xx	xxv	xviii	lxii	xlv	xciiii	l	cxxiiii	o	cliiii	o	clxxvi	xx
xxv	xxxi	xxx	lxviii	xxviii	xcix	xvi	cxxviii	lv	clix	xxv	clxxxi	xxvii
xxx	xxxvii	l	lxxiiii	xiiii	ciiii	xxv	cxxxiiii	l	clxiiii	l	clxxxvi	xviii

DECEM GRADVS. LEONIS.

	Exagonum. lxvii. xvii.				Tetragonum. cl. viii.				Trigonum. cxxxiiii. xxxiiii.			
v	vi	xxv	xliii	xlv	lxxix	xxviii	cxi	ii	cxl	lvii	clxxii	xxx
x	xii	xli	xlix	lv	lxxxiiii	xl	cxv	lviii	cxlv	lii	clxxviii	v
xv	xix	o	l	x	xc	v	cxx	lii	cl	liii	clxxxiii	iii
xx	xxv	xviii	lxii	x	xcv	xxx	cxxv	l	clvi	xii	clxxxix	xl
xxv	xxxi	xxx	lxviii	xxv	c	l	cxxxi	o	clxi	xlii	cxcv	xxx
xxx	xxxvii	l	lxxiiii	x	cvi	x	cxxxvi	ii	clxvii	x	cci	l

QVINDECIM GRADVS LEONIS.

	Exagonum. lxvii. lviii.				Tetragonum. ci. lvii.				Trigonum. cxxxv. lvi.			
v	vi	xxii	xliii	xlviii	lxx	xx	cxii	xlii	cxliii	xx	clxxiiii	lvii
x	xii	xlv	l	x	lxxv	xxxviii	cxvii	liii	cxlviii	xx	clxxx	xxxv
xv	xviii	xlviii	lvi	xv	xci	ii	cxxii	lviii	cliii	xxviii	clxxxvi	xv
xx	xxv	vii	lxii	xx	xcvi	xxv	cxxvii	lvii	clviii	liii	cxci	lv
xxv	xxxi	xx	lxviii	xx	cii	cxii	cxxxiii	v	clxiiii	vii	cxcvii	lv
xxx	xxxvii	xl	lxxiiii	xl	cvii	cxvii	cxxxviii	xxv	clxix	xxv	cciii	lv

VIGINTI GRADUS LEONIS

	Exagonum. lxviii. xxxvii.				Tetragonum. cii. lv.				Trigonum. cxxxvii. xiiii.			
	Leo. Virgo. Aquarius. Pisces.				Libra. Scorpius. Aries. Taurus.				Sagittarius. Capricornus. Gemini. Cancer.			
	Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus.		Horoscopus.	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
v	vi	xxv	xliii	xxxi	lxx	xiii	cxiii	xxxi	cxlviii	xli	clxxvii	vi
x	xii	xxv	xlix	xxxviii	lxxv	xlviii	cxviii	xliii	cxlix	li	clxxii	xxiii
xv	xviii	xxxvi	lv	li	xci	xxiii	cxxiii	lvi	clv	i	clxxviii	vi
xx	xxiiii	liiii	lxii	xiii	xcvii	iii	cxxviii	lviii	clx	xxxiii	cxciii	lv
xxv	xxxi	viii	lxviii	xxiii	cii	xliii	cxxxiii	xxv	clxv	xlviii	cxcix	lv
xxx	xxxvii	xiii	lxxiiii	xxxiii	cviii	xxiii	cxxxix	xliii	clxxi	xxviii	ccv	li

VIGINTI QUINQUE GRADUS LEONIS

	Exagonum. lxviii. xli.				Tetragonum. ciiii. ō				Trigonum. cxxxviii. xl.			
v	v	xlv	xliii	xxiii	lxx	iii	cxiii	lvii	cxlv	xlvii	clxvii	xxx
x	xi	lv	xlix	liii	lxxv	lviii	cxix	x	cl	lvii	clxxii	lv
xv	xviii	x	lvi	xi	xci	xxxviii	cxxiiii	xxxii	clvi	xvii	clxxviii	xl
xx	xxiiii	xx	lxii	xxxiii	xcvii	xxxiii	cxxix	xl	clxi	xlii	cxciiii	xx
xxv	xxx	l	lxviii	xlviii	ciii	xxi	cxxxv	xxii	clxvi	l	cc. ō	x
xxx	xxxvii	xxxiii	lxxiiii	liii	cviii	xxix	cxl	xli	clxxii	xx	ccvi	ii

T I I T G A V L O I

	Exagonum. lxix. xx.				Tetragonum. ciiii. ō				Trigonum. cxxxviii. xl.			
v	v	iii	xlii	xxviii	lxxix	xxx	cxiiii	xxx	cxlvii	xx	clxxix	xxx
x	xii	xviii	xlviii	lv	lxxv	xxv	cxx	ō	clii	xxv	clxxiiii	lv
xv	xviii	xx	lv	xx	xci	xxv	cxxv	xxx	clviii	ō	cxc	xxviii
xx	xxiiii	xxv	lxi	xxxii	xcvii	xv	cxxx	xlv	clxiii	xxxiiii	cxcvi	xv
xxv	xxx	xxvi	lxvii	xxviii	ciii	xv	cxxxvi	xxv	clxviii	xlvi	ccii	x
xxx	xxxvi	xx	lxxiii	lv	cix	x	cxlii	ō	clxxiiii	xv	ccviii	ō

NOT	ANNI	DI	HO	MINV	MINV	SIG	GRA	MINV	MINV	SIG	GRA	MINV	MINV	SIG	GRA	MINV	MINV
VLE	PLANI	ES	RE	TE	TIS	NA	DVS	TE	TIS	NA	DVS	TE	TIS	NA	DVS	TE	TIS
ii	i	o	viii	xlviii	vii	xi	xix	xv	lv	x	ix	xlviii	x	o	viii	ii	l
vii	ii	i	xvii	xxxvi	liiii	xi	viii	xxxi	l	viii	xix	xxxvi	xx	o	xvi	v	xl
iiii	iii	o	ii	xxv	xxii	x	xxvii	xlvii	xlv	vi	xix	xxiiii	xxix	o	xxiiii	viii	xxx
i	iiii	o	xi	liii	xlix	x	xvii	iii	xl	v	ix	xii	xxxix	i	ii	xi	xx
vi	v	i	xx	xv	xiiii	x	v	xix	xxxv	iii	xix	o	xlviii	i	x	xiiii	x
iii	vi	o	iiii	l	xlv	ix	xxv	xv	xxx	i	xxviii	xlix	o	i	xviii	xvii	o
i	vii	i	xiii	xxix	xvi	ix	xiiii	li	xxv	o	viii	xxvii	vii	i	xxvi	xix	l
v	viii	i	xxii	xxvii	xl	ix	iiii	vii	xx	x	xviii	xxv	xvi	ii	iiii	xxii	xl
ii	ix	o	vii	xvi	viii	viii	xxiii	xxiii	xv	viii	xxviii	xiii	xxvi	ii	xii	xxv	xxx
vii	x	i	xvi	iiii	xxxii	viii	xii	xxxix	x	vii	viii	i	xxxv	ii	xx	xxviii	xx
iiii	xi	o	o	liii	iiii	viii	i	lv	v	v	xvii	xlix	xliiii	ii	xxviii	xxxi	x
i	xii	o	ix	xlii	xxviii	vii	xxi	xi	o	iii	xxvii	xxxvii	liii	iii	vi	xxxiiii	o
vi	xiii	i	xviii	xxix	lvi	vii	x	xxvi	lv	ii	vii	xxvi	iii	iii	xiiii	xxxvi	l
iii	xiiii	o	iii	xviii	xxvi	vi	xxix	xliii	l	o	xvii	xiiii	xii	iii	xxii	xxxix	xl
vii	xv	o	xii	vi	lv	vi	xviii	lviii	xlv	x	xxvii	ii	xxii	iiii	o	xlii	xxx
v	xvi	i	xx	lv	xviii	vi	viii	xiiii	xl	ix	v	l	xxxi	iiii	viii	xlv	iiii
ii	xvii	o	v	xl	l	v	xxvii	xxx	xxxv	vii	xvi	xxxviii	xl	iiii	xvi	xlviii	x
vii	xviii	i	xiiii	xxxii	xvi	v	xvi	xlvi	xxx	v	xxvi	xxvi	xlix	iiii	xxiiii	li	o
iiii	xix	i	xxiii	xx	xl	v	vi	ii	xxv	iiii	vi	xiiii	xlviii	v	ii	liii	l
i	xx	o	viii	ix	ix	iiii	xxv	xviii	xx	ii	xvi	iii	ix	v	x	lvi	xl
vi	xxi	i	xvi	lvii	lvi	iiii	xiiii	xxxiiii	xv	o	xxv	li	xviii	v	xviii	lix	xxx
iii	xxii	o	i	xlvi	v	iiii	iii	l	x	xi	v	xxxix	xxviii	v	xxvii	x	xx
iiii	xxiii	o	x	xxxiiii	xxx	iii	xxiii	vi	v	ix	xv	xxvii	xxxvi	vi	v	v	x
v	xxiiii	i	xix	xxiii	o	iii	xii	xxiiii	o	vii	xxv	xv	xlv	vi	xiii	viii	o
ii	xxv	o	iiii	xl	xxv	iii	i	xxxvii	lv	vi	v	iii	liiii	vi	xxi	x	l
iii	xxvi	i	xii	lix	lii	ii	ix	liii	l	iiii	xiiii	lii	iii	vi	xxix	xiii	xl
iiii	xxvii	i	xxi	xlviii	xxi	ii	x	ix	xlv	ii	xxiiii	xl	xiii	vii	vii	xvi	xxx
i	xxviii	o	vi	xxxvi	xlvi	i	xxix	xxv	xl	i	iiii	xxxviii	xxv	vii	xv	xix	x
v	xxix	i	xv	xxix	xxii	i	xviii	xli	xxxv	xi	xiiii	xvi	xxxiiii	vii	xxiii	xxii	o
iii	xxx	o	o	xiii	xxxiii	i	vii	lvii	xxx	ix	xxiiii	ii	xlviii	viii	i	xxv	o

gra dus	minu te	gra dus	minu te	minu te	minu te	minu tie	minu te	minu tie	gra dus	gra dus	minu te	minu te

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	ho re	minu te	minu tie	sig na	gra dus	minu te	minu tie	sig na	gra dus	minu te	minu tie	sig na	gra dus	minu te	minu tie
ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō	ō
ii	i	xii	xliiii	iii	ō	xxix	vi	xix	ō	xxv	xlix	i	i	ō	xl	xv
iii	ō	i	xxviii	vi	i	xxviii	xii	xxix	i	xxi	xxxviii	iii	ii	i	xx	xxix
iii	i	xiiii	xii	ix	ii	xxvii	xviii	lviii	ii	xvii	xxvii	iiii	iii	ii	ō	xlii
iiii	ō	ii	lvi	xii	iii	xxvi	xxv	xvii	iii	xiii	xxi	v	iiii	ii	xl	lvi
i	i	xv	xl	xv	iiii	xxv	xxxi	lvi	iiii	ix	v	vi	v	iii	xxi	x
ii	ō	iiii	xxiii	xviii	v	xxiiii	xxxvii	lv	v	iiii	liiii	vii	vi	iiii	i	xxiiii
iiii	i	xvii	viii	xxi	vi	xxiii	xliiii	liiii	vi	ō	xliii	vii	vii	iiii	xli	xxxviii
iiii	ō	v	lii	xxiiii	vii	xxii	l	liiii	vi	xxvi	xlii	vii	viii	v	xxi	lii
vi	i	xviii	xxxvii	xxvii	viii	xxi	lvi	liii	vii	xxii	xxi	vii	ix	vi	ii	vi
vi	o	vii	xx	xxx	ix	xxi	iii	liii	viii	xviii	x	vii	x	vi	xlii	xx
ii	i	xx	iiii	xxx	x	xx	ix	xxxiii	ix	xiii	lix	vii	xi	vii	xxii	xxxiiii

x	l	clxix	x	o	o	o	o	o	o
x	xxx	clxix	xxx	o	xl	xii	x	o	o
x	o	clxx	o	i	xl	xix	xxx	o	o
ix	xxx	clxx	xxx	ii	xl	xxiiii	xxxii	o	o
ix	o	clxxi	o	iii	xxxv	xxviii	l	o	o
viii	xxx	clxxi	xxx	iiii	xxix	xxxi	liii	o	o
viii	o	clxxii	o	v	xxx	xxxiiii	x	o	o
vii	xxx	clxxii	xxx	vi	xxv	xxxvi	xxvii	o	o
vii	o	clxxiii	o	vii	xxiii	xxxviii	xlii	o	o
vi	xxx	clxxiii	xxx	viii	xxi	xl	xxviii	o	o
vi	o	clxxiiii	o	ix	xx	xlii	xl	o	o
v	xxx	clxxiiii	xxx	x	xvii	xliii	lvi	o	o
v	o	clxxv	o	xi	xiiii	xliiii	lii	o	o
iiii	xxx	clxxv	xxx	xii	xi	xli	iiii	iiii	o
iiii	o	clxxvi	o	xiii	ix	xxxvi	xlii	x	xxi
iii	xxx	clxxvi	xxx	xiiii	vii	xxxiiii	l	xiii	xlvii
iii	o	clxxvii	o	xv	iiii	xxxii	xliiii	xv	xlviii
ii	xxx	clxxvii	xxx	xvi	ii	xxxi	xxxviii	xvii	xxxviii
ii	o	clxxviii	o	xvii	o	xxx	xxxi	xix	xiiii
i	xxx	clxxviii	xxx	xvii	lvii	xxx	iii	xx	xii
i	o	clxxix	o	xviii	liii	xxix	lii	xx	lii
o	xxx	clxxix	xxx	xix	l	xxix	xix	xxi	xvi
o	o	clxxx	o	xx	xlvi	xxix	xvi	xx	xxii

ii	ccclviii	o	ii
iiii	ccclvi	o	vi
vi	cccliiii	o	xii
viii	ccclii	o	xx
x	cccl	o	xxx
xii	cccxlviii	o	xlii
xiiii	cccxlvi	o	lvii
xvi	cccxliiii	o	xv
xviii	cccxlii	i	xxxiii
xx	cccxl	i	lv
xxii	cccxxxviii	ii	xviii
xxiiii	cccxxxvi	ii	xlii
xxvi	cccxxxiiii	iii	v
xxviii	cccxxxii	iii	xxix
xxx	cccxxx	iii	liiii
xxxii	cccxxviii	iiii	xxi
xxxiiii	cccxxvi	iiii	l
xxxvi	cccxxiiii	v	xxi
xxxviii	cccxxii	v	lvii
xl	cccxx	vi	xxxiiii
xlii	cccxviii	vii	xiii
xliiii	cccxvi	vii	lii
xlvi	cccxiiii	viii	xxxii
xlviii	cccxii	ix	xv
l	cccx	x	o
lii	cccviii	x	xlvi
liiii	cccvi	xi	xxxiii
lvi	ccciiii	xii	xxi
lviii	cccii	xiii	x
lx	ccc	xiiii	o

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gra dus	min utę	gra dus	min utę		minu te	min utę	minu tię	min utę	minu tię
ccclix	xxx	clxxx	xxx	xix	l	xxix	xix	xxi	xvi
ccclix	ō	clxxxi	ō	xviii	liii	xxix	lii	xx	lii
ccclviii	xxx	clxxxi	xxx	xvii	lvii	xxx	iii	xx	xii
ccclviii	ō	clxxxii	ō	xvii	ō	xxx	xxxi	xix	xiiii
ccclvii	xxx	clxxxii	xxx	xvi	ii	xxxi	xxviii	xviii	xxviii
ccclvii	ō	clxxxiii	ō	xv	iiii	xxxii	xliiii	xv	xlviii
ccclvi	xxx	clxxxiii	xxx	xiiii	vii	xxxiiii	i	xiii	xlvii
ccclvi	ō	clxxxiiii	ō	xiii	ix	xxxvi	xlii	x	xxi
ccclv	xxx	clxxxiiii	xxx	xii	xi	xli	iiii	iiii	ō
ccclv	ō	clxxxv	ō	xi	xiiii	xliiii	lii	ō	ō
cccliiii	xxx	clxxxv	xxx	x	xvii	xliii	xxxvi	ō	ō
cccliiii	ō	clxxxvi	ō	ix	xx	xlii	xi	ō	ō
cccliii	xxx	clxxxvi	xxx	viii	xxi	xl	xxviii	ō	ō
cccliii	ō	clxxxvii	ō	vii	xxiii	xxxviii	xlii	ō	ō
ccclii	xxx	clxxxvii	xxx	vi	xxv	xxxvi	xxxvii	ō	ō
ccclii	ō	clxxxviii	ō	v	xxx	xxxiiii	x	ō	ō
cccli	xxx	clxxxviii	xxx	iiii	xxix	xxxi	xiii	ō	ō
cccli	ō	clxxxix	ō	iii	xxxv	xxviii	l	ō	ō
cccl	xxx	clxxxix	xxx	ii	xl	xxiiii	xxxii	ō	ō
cccl	o	cxc	o	i	xl	xix	xxx	ō	ō
cccxlix	xxx	cxc	xxx	ō	xl	xii	x	ō	ō
cccxlix	ō	cxci	ō	ō	xl	ō	x	ō	ō
		c	l						

gra dus	gra dus	minu te	min utię
lxii	ccxcviii	xiiii	lii
lxiiii	ccxcvi	xv	xlv
lxvi	ccxciiii	xvi	xli
lxviii	ccxcii	xvii	xxxviii
lxx	ccxc	xviii	xxxvi
lxxii	cclxxxviii	xix	xxxvi
lxxiiii	cclxxxvi	xx	xxxvi
lxxvi	cclxxxiiii	xxi	xxxvi
lxxviii	cclxxxii	xxii	xxxvi
lxxx	cclxxx	xxiii	xxxvi
lxxxii	cclxxviii	xxiiii	xxxvi
lxxxiiii	cclxxvi	xxv	xxxvi
lxxxvi	cclxxiiii	xxvi	xxxviii
lxxxviii	cclxxii	xxvii	xl
xc	cclxx	xxviii	xlii
xcii	cclxviii	xxix	xliiii
xciiii	cclxvi	xxx	xlvi
xcvi	cclxiiii	xxxi	xlviii
xcviii	cclxii	xxxii	l
c	cclx	xxxiii	lii
cii	cclviii	xxxiiii	liiii
ciiii	cclvi	xxxv	lvi
cvi	ccliiii	xxxvi	lviii
cviii	cclii	xxxviii	ō
cx	ccl	xxxix	ō
cxii	ccxlviii	xl	ō
cxiiii	ccxlvi	xli	ō
cxvi	ccxliiii	xlii	ō
cxviii	ccxlii	xliii	ō
cxx	ccxl	xliiii	ō

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GRA DVS	MIN VTE	GRA DVS	MIN VTE		MINV TE	MINV TE	MINV TE	MINV TE	MINV TE
xiii	xvii	clxvi	xxx	o	o	o	o	o	o
xiii	o	clxvii	o	o	xxvi	xii	xxv	o	o
xii	xxx	clxvii	xxx	i	xvii	xx	lii	o	o
xii	o	clxviii	o	ii	ii	xxvi	vii	o	o
xi	xxx	clxviii	xxx	ii	l	xxx	xxii	o	o
xi	o	clxix	o	iii	xxvi	xxxiii	xxxvii	o	o
x	xxx	clxix	xxx	iii	lviii	xxxvii	o	o	o
x	o	clxx	o	v	xxix	xli	xxvii	o	o
ix	xxx	clxx	xxx	vi	x	xliii	xxvi	o	o
ix	o	clxxi	o	vi	liiii	xlv	xxxi	o	o
viii	xxx	clxxi	xxx	vii	xli	xlvii	xxv	o	o
viii	o	clxxii	o	viii	xxxi	xlix	xxviii	o	o
vii	xxx	clxxii	xxx	ix	xxvi	li	vi	o	o
vii	o	clxxiii	o	x	xi	lii	xlviii	o	o
vi	xxx	clxxiii	xxx	x	liiii	liiii	ix	o	o
vi	o	clxxiiii	o	xi	xliii	lv	xx	o	o
v	xxx	clxxiiii	xxx	xii	lv	lvii	xiiii	ix.	vii
v	o	clxxv	o	xiii	xxvii	lviii	xiii	xiiii	ix
iiii	xxx	clxxv	xxx	xiiii	xx	xl	liiii	xvii	xxv
iiii	o	clxxvi	o	xv	o	xxxix	ix	xix	lvii
iii	xxx	clxxvi	xxx	xv	l	xxxvii	l	xxi	lvii
iii	o	clxxvii	o	xvi	xxxviii	xxxvi	li	xxiii	lii
ii	xxx	clxxvii	xxx	xvii	xxv	xxxvi	v	xxiiii	xlix
ii	o	clxxviii	o	xviii	xv	xxxv	xxxi	xxv	xlvii
i	xxx	clxxviii	xxx	xix	v	xxxv	v	xxvi	xxxii
i	o	clxxix	o	xix	liiii	xxxiiii	xlix	xxvii	ii
o	xxx	clxxix	xxx	xx	xliii	xxxiiii	xl	xxvii	xvi
o	o	clxxix	o	xxi	xxxi	xxxiiii	xxxiiii	xxvii	xxvii

GRA DVS	GRA DVS	MINV TE	MINV TE
cxxii	ccxxxviii	xliiii	lviii
cxxiiii	ccxxxvi	xlv	lv
cxxvi	ccxxxiiii	xlvi	l
cxxviii	ccxxxii	xlvii	xliiii
cxxx	ccxxx	xlviii	xxxvii
cxxxii	ccxxviii	xlix	xxx
cxxxiiii	ccxxvi	l	xix
cxxxvi	ccxxiiii	li	vi
cxxxviii	ccxxii	li	l
cxl	ccxx	lii	xxxii
cxlii	ccxviii	liii	xi
cxliiii	ccxvi	liii	xlviii
cxlvi	ccxiiii	liiii	xxiiii
cxlviii	ccxii	liiii	lix
cl	ccx	lv	xxxiiii
clii	ccviii	lvi	viii
cliiii	ccvi	lvi	xlii
clvi	cciiii	lvii	xv
clviii	ccii	lvii	xliii
clx	cc o	lviii	viii
clxii	cxcviii	lviii	xxxi
clxiiii	cxcvi	lviii	l
clxvi	cxciiii	lix	vii
clxviii	cxcii	lix	xxi
clxx	cxc	lix	xxxiii
clxxii	clxxxviii	lix	xliii
clxxiiii	clxxxvi	lix	li
clxxvi	clxxxiiii	lix	lvi
clxxviii	clxxxii	lix	lviii
clxxx	clxxx	lx	o

GRA DVS	MIN VTE	GRA DVS	MIN VTE		MINV TE	MINV TE	MINV TIE	MINV TE	MINV TIE
ccclix	xxx	clxx	xxx	xx	xliii	xxxiiii	xl	xxvii	xii
ccclix	ó	clxxi	ó	xix	liii	xxxiii	xlix	xxvii	ii
ccclviii	xxx	clxxi	xxx	xix	v	xxxv	v	xxvi	xxii
ccclviii	ó	clxxii	ó	xviii	xv	xxxv	xxxi	xxv	xlvi
ccclvii	xxx	clxxii	xxx	xvii	xxv	xxxvi	v	xxiiii	xlix
ccclvii	ó	clxxiii	ó	xvi	xxxviii	xxxvi	li	xxiii	xxxii
ccclvi	xxx	clxxiii	xxx	xv	l	xxxviii	l	xxi	lvi
ccclvi	ó	clxxiiii	ó	xv	ó	xxxix	ix	xix	lvii
ccclv	xxx	clxxiiii	xxx	xiiii	xx	xl	liii	xvii	xxv
ccclv	ó	clxxv	ó	xiii	xxvii	xliii	xiiii	xiiii	ix
cccliiii	xxx	clxxv	xxx	xii	xxv	xlvi	xiiii	ix	vii
cccliiii	ó	clxxvi	ó	xi	xliii	lv	xx	ó	ó
cccliii	xxx	clxxvi	xxx	x	liiii	liiii	ix	ó	ó
cccliii	ó	clxxvii	ó	x	xi	lii	xliiii	ó	ó
ccclii	xxx	clxxvii	xxx	ix	xxvi	li	vi	ó	ó
ccclii	ó	clxxviii	ó	viii	xxi	xlix	xxviii	ó	ó
cccli	xxx	clxxviii	xxx	vii	xli	xlvii	xxv	ó	ó
cccli	ó	clxxix	ó	vi	liiii	xlv	xxxi	ó	ó
cccl	xxx	clxxix	xxx	vi	x	xliii	xxvi	ó	ó
cccl	ó	clxxx	ó	v	xxix	xli	xxvii	ó	ó
cccxlix	xxx	clxxx	xxx	iiii	xxxviii	xxxvii	ó	ó	ó
cccxlix	ó	clxxxi	ó	iiii	xxxvii	xxxiiii	xxvii	ó	ó
cccxlviii	xxx	clxxxi	xxx	ii	l	xxx	xxii	ó	ó
cccxlviii	ó	clxxxii	ó	ii	ii	xxvi	vii	ó	ó
cccxlvii	xxx	clxxxii	xxx	ii	xiii	xx	lii	ó	ó
cccxlvii	ó	clxxxiii	ó	i	xxvi	xiii	xxv	ó	ó
cccxlvi	xliiii	clxxxiii	xvii	ó	ó	ó	ó	ó	ó

		MINV TE		MINV TE
i	ó	xx	ó	xxx
ii	i	ó	i	x
iii	i	xlv	ii	iiii
iiii	ii	xl	iii	x
v	iii	xl	iiii	xx
vi	iiii	xl	v	xxx
vii	v	l	vi	xlv
viii	vii	ó	viii	ó
ix	viii	xx	viii	x
x	ix	xl	x	xx
xi	x	l	xi	xx
xii	xii	ó	xii	ó

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	ho re	min 2e	min 3e	min 2e	min 3e		ho re	min 2e	min 3e	min 2e	min 3e		ho re	min 2e	min 3e	min 2e	min 3e		ho re	min 2e	min 3e		ho re	min 2e	min 3e
i	ō	ii	liii	ō	li	xxxi	i	xii	xxxiiii	xxx	vi	lxi	i	xxxv	xxxvii	xlii	xxxvi	xci	i	xxviii	xvi	cxxi	i	v	iiii
ii	ō	v	xlvi	i	xlii	xxxii	i	xiiii	i	xxv	xlix	lxii	i	xxxv	xlv	xlii	lix	xcii	i	xxvii	xli	cxxii	i	iiii	vii
iii	ō	viii	xxxix	ii	xxxiii	xxxiii	i	xv	xxvii	xxvi	xxxii	lxiii	i	xxxv	li	xliii	xxi	xciii	i	xxvii	vi	cxxiii	i	iii	x
iiii	ō	xi	xxxii	iii	xxiiii	xxxiiii	i	xvi	li	xxvii	xv	lxiiii	i	xxxv	lv	xliii	xliiii	xciiii	i	xxvi	xxxi	cxxiiii	i	ii	xiii
v	ō	xiiii	xxv	iiii	xv	xxxv	i	xviii	xviii	xxvii	lviii	lxv	i	xxxv	lviii	xliiii	vii	xcv	i	xxv	lv	cxxv	i	i	xvii
vi	ō	xvii	vii	v	vi	xxxvi	i	xix	xxxii	xxviii	xxviii	lxvi	i	xxxv	ō	xliiii	xxvii	xcvi	i	xxv	xviii	cxxvi	i	ō	xviii
vii	ō	xix	liiii	v	lvi	xxxvii	i	xx	xlv	xxix	xix	lxvii	i	xxxv	lviii	xliiii	xlviii	xcvii	i	xxiiii	xxxix	cxxvii	ō	lix	xix
viii	ō	xxii	xxxix	vi	xlvii	xxxviii	i	xxi	liii	xxix	lix	lxviii	i	xxxv	lv	xlv	viii	xcviii	i	xxiii	lix	cxxviii	ō	lviii	xix
ix	ō	xxv	xxiii	vii	xxxvii	xxxix	i	xxii	lvi	xxx	xl	lxix	i	xxxv	li	xlv	xxviii	xcix	i	xxiii	xvii	cxxix	ō	lvii	xix
x	ō	xxviii	vi	viii	xxviii	xl	i	xxiii	lv	xxxi	xx	lxx	i	xxxv	xlv	xlv	xlix	c	i	xxii	xxxiiii	cxxx	ō	lvi	xix
xi	ō	xxx	xlvi	ix	xviii	xli	i	xxiiii	liii	xxxi	lviii	lxxi	i	xxxv	xxxviii	xlvi	iiii	ci	i	xxi	l	cxxxi	ō	lv	xviii
xii	ō	xxxiii	xxiii	x	viii	xlii	i	xxv	xlix	xxxii	xv	lxxii	i	xxxv	xxix	xlvi	xix	cii	i	xxi	vi	cxxxii	ō	liiii	xvi
xiii	ō	xxxv	lvii	x	lvii	xliii	i	xxvi	xliii	xxxiii	xiii	lxxiii	i	xxxv	xix	xlvi	xxxv	ciii	i	xx	xxii	cxxxiii	ō	liii	xiiii
xiiii	ō	xxxviii	xxvii	xi	xlvii	xliiii	i	xxvii	xxxv	xxxiii	l	lxxiiii	i	xxxv	vii	xlvi	l	ciiii	i	xix	xxxviii	cxxxiiii	ō	lii	xii
xv	ō	xl	liiii	xii	xxxvii	xlv	i	xxviii	xxiiii	xxxiiii	xxviii	lxxv	i	xxxiiii	liii	xlvii	v	cv	i	xviii	liii	cxxxv	ō	li	x
xvi	ō	xliii	xix	xiii	xvi	xlvi	i	xxix	x	xxxv	iii	lxxvi	i	xxxiiii	xxxviii	xlvii	xv	cvi	i	xviii	vii	cxxxvi	ō	l	vii
xvii	ō	xlv	xli	xiiii	xiiii	xlvii	i	xxix	liiii	xxxv	xxxvii	lxxvii	i	xxxiiii	xxii	xlvii	xxvii	cvii	i	xvii	xx	cxxxvii	ō	xlix	iii
xviii	ō	xlviii	ō	xv	iii	xlviii	i	xxx	xxxiii	xxxvi	xii	lxxviii	i	xxxiiii	iiii	xlvii	xxxviii	cviii	i	xvi	xxxii	cxxxviii	ō	xlviii	lix
xix	ō	l	xv	xvi	lii	xlix	i	xxxi	xi	xxxvi	xlvi	lxxix	i	xxxiii	xliiii	xlvii	l	cix	i	xv	xliii	cxxxix	ō	xlvi	lv
xx	ō	lii	xxvi	xvii	xl	l	i	xxxi	xlv	xxxvii	xxi	lxxx	i	xxxiii	xxiii	xlviii	i	cx	i	xiiii	liiii	cxl	ō	xlv	li
xxi	ō	liiii	xxxiii	xviii	xxviii	li	i	xxxii	xvii	xxxvii	lii	lxxxi	i	xxxiii	i	xlviii	vii	cxi	i	xiiii	iii	cxli	ō	xliiii	xlvi
xxii	ō	lvi	xxxvii	xviii	xv	lii	i	xxxii	xlvii	xxxviii	xxii	lxxxii	i	xxxii	xxxviii	xlviii	xiiii	cxii	i	xiii	xxi	cxlii	ō	xliii	xli
xxiii	ō	lviii	xxxviii	xix	ii	liii	i	xxxiii	xv	xxxviii	liiii	lxxxiii	i	xxxii	xiiii	xlviii	xxi	cxiii	i	xii	xx	cxliii	ō	xlii	xxxvi
xxiiii	i	ō	xxxv	xix	xlix	liiii	i	xxxiii	xli	xxxix	xxv	lxxxiiii	i	xxxi	xlix	xlviii	xxvii	cxiiii	i	xi	xxviii	cxliiii	ō	xli	xxx
xxv	i	ii	xxix	xx	xxxvi	lv	i	xxxiiii	vii	xxxix	lvi	lxxxv	i	xxxi	xxiiii	xlviii	xxxiiii	cxv	i	x	xxxvi	cxlv	ō	xl	xxiiii
xxvi	i	iiii	xxiii	xxi	xxi	lvi	i	xxxiiii	xxx	xl	xxiii	lxxxvi	i	xxx	lvi	xlviii	xxxvi	cxvi	i	ix	xliii	cxlvi	ō	xxxix	xviii
xxvii	i	vi	xii	xxii	vii	lvii	i	xxxiiii	xliiii	xl	li	lxxxvii	i	xxx	xxvii	xlviii	xxxviii	cxvii	i	viii	xlix	cxlvii	ō	xxxviii	lii
xxviii	i	vii	lvi	xxii	lii	lviii	i	xxxv	i	xli	xiii	lxxxviii	i	xxix	lv	xlviii	xli	cxviii	i	vii	liiii	cxlviii	ō	xxxvii	v
xxix	i	ix	xxxiiii	xxiii	xxxvii	lix	i	xxxv	xv	xli	xlvi	lxxxix	i	xxix	xxv	xlviii	xliii	cxix	i	vi	lviii	cxlix	ō	xxxv	lviii
xxx	i	xi	v	xxiiii	xxii	lx	i	xxxv	xxvii	xlii	xiii	xc	i	xxviii	li	xlviii	xlv	cxx	i	vi	i	cl	ō	xxxiiii	li

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GRA	min	GRA	min		minu	min	min
DUS	ute	DUS	ute		te	ute	ute
vi	xxiiii	clxxiii	xxiiii	ō	ō	ō	ō
vi	xxx	clxxiii	xxx	ō	xi	v	xxx
vi	ō	clxxiiii	ō	i	v	xiii	vii
v	xxx	clxxiiii	xxx	i	lv	xvii	x
v	ō	clxxv	ō	ii	xlv	xx	x
iiii	xxx	clxxv	xxx	iii	xxxvii	xxii	xli
iiii	ō	clxxvi	ō	iiii	xxix	xxiiii	xli
iii	xxx	clxxvi	xxx	v	xxi	xxvi	xv
iii	ō	clxxvii	ō	vi	xiii	xxvii	xxi
ii	xxx	clxxvii	xxx	vii	vi	xxviii	xxix
ii	ō	clxxviii	ō	vii	lvii	xxix	xxviii
i	xxx	clxxviii	xxx	viii	xlviii	xxx	vii
i	ō	clxxix	ō	ix	xxxix	xxx	xxxiiii
ō	xxx	clxxix	xxx	x	xxxii	xxx	li
ō	ō	clxxx	ō	x	xlviii	xxx	lv
ccclix	xxx	clxxx	xxx	x	xxxii	xxx	li
ccclix	ō	clxxxi	ō	ix	xxxix	xxx	xxxiiii
ccclviii	xxx	clxxxi	xxx	viii	xlviii	xxx	vii
ccclviii	ō	clxxxii	ō	vii	lvii	xxix	xviii
ccclvii	xxx	clxxxii	xxx	vii	vi	xxviii	xxix
ccclvii	ō	clxxxiii	ō	vi	xiii	xxvii	xxi
ccclvi	xxx	clxxxiii	xxx	v	xxi	xxvi	xv
ccclvi	ō	clxxxiiii	ō	iiii	xxix	xxiiii	xli
ccclv	xxx	clxxxiiii	xxx	iii	xxxvii	xxii	xli
ccclv	ō	clxxxv	ō	ii	le	xx	x
cccliiii	xxx	clxxxv	xxx	i	le	xvii	x
cccliiii	ō	clxxxvi	ō	i	v	xiii	vii
cccliii	xxx	clxxxvi	xxx	ō	xi	v	xxx
cccliii	ō	clxxxvi	ō	ō	ō	ō	ō

GRA	min	GRA	min		minu	min	min
DUS	ute	DUS	ute		te	ute	ute
vii	xi	clxxii	xxx	ō	ō	ō	ō
vii	ō	clxxiii	ō	ō	xvii	vii	lvi
vi	xxx	clxxiii	xxx	i	ix	xiiii	xi
vi	ō	clxxiiii	ō	ii	ō	xviii	xxxii
v	xxx	clxxiiii	xxx	ii	liii	xxi	xxxvii
v	ō	clxxv	ō	iii	xlvii	xxiiii	ii
iiii	xxx	clxxv	xxx	iiii	xxxvii	xxvi	xii
iiii	ō	clxxvi	ō	v	xxviii	xxvii	xiii
iii	xxx	clxxvi	xxx	vi	xx	xxix	xvii
iii	ō	clxxvii	ō	vii	xii	xxx	xix
ii	xxx	clxxvii	xxx	viii	v	xxxi	xxxi
ii	ō	clxxviii	ō	viii	lvi	xxxii	xv
i	xxx	clxxviii	xxx	ix	xlvii	xxxii	xlix
i	ō	clxxix	ō	ix	xxxviii	xxxiii	xv
ō ō	xxx ō	clxxix clxxx	xxx ō	xi xii	xxx xliii	xxxiii xxxiiii	xxx xxxiiii
ccclix	xxx	clxxx	xxx	xi	xxx	xxxiii	xxx
ccclix	ō	clxxxi	ō	x	xxxviii	xxxiii	xv
ccclviii	xxx	clxxxi	xxx	ix	xlvii	xxxii	xlix
ccclviii	ō	clxxxii	ō	viii	lvi	xxxii	xv
ccclvii	xxx	clxxxii	xxx	viii	v	xxxi	xxxi
ccclvii	ō	clxxxiii	ō	vii	xii	xxx	xix
ccclvi	xxx	clxxxiii	xxx	vi	xx	xxix	xvii
ccclvi	ō	clxxxiiii	ō	vi	xxviii	xxvii	liii
ccclv	xxx	clxxxiiii	xxx	iiii	xxxvii	xxvi	xii
ccclv	ō	clxxxv	ō	iii	xlv	xxiiii	ii
cccliiii	xxx	clxxxv	xxx	ii	liii	xxi	xxxvii
cccliiii	ō	clxxxvi	ō	ii	ō	xviii	xxxii
cccliii	xxx	clxxxvi	xxx	i	ix	xiiii	xi
cccliii	ō	clxxxvii	ō	ō	xvii	vii	li
ccclii	xxx	clxxxvii	xxx	ō	ō	ō	ō

	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN		GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN	GRA	MIN
	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE		DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE
i	iii	iii	ii	xlviii	o	xxxv	xxviii	xxxiiii	xxviii	xxxviii	i	xxvii	liii	xxiii	o	xvii	xxxviii	xix	lvi	xxv	xi
ii	iii	liii	iii	xxviii	i	vi	xix	xiiii	xxix	xxxi	ii	xxviii	xlviii	xxiii	xlii	xviii	xv	xx	xlii	xxvi	vii
iii	iiii	xliii	iiii	viii	i	xxix	xxix LEO	liiii	VIR o	GO xxx	iii	xxix GEM	xxxiii iii	xxiiii	xxxiii	xxvi	lii	xxi	xxxix	xxvi	iiii
iiii	v	xxxiii	iiii	xlviii	ii	xi	o	xxiii	i	xviii	iiii	o	xxiii	xxv	vi	xix	xxix	xvii	xvi	xxviii	i
v	vi	xxiii	v	xxviii	ii	xlviii	i	xv	ii	ii	v	i	xii	xxv	xlviii	xx	vii	xxiii	iii	xxviii	lviii
vi	vii	xiii	vi	viii	iii	xvi	i	lvi	ii	liiii	vi	ii	ii	xxvi	xxxi	xx	xlvi	xviii	lii	xxix	lv
vii	viii	v	vi	xlviii	iii	xlix	ii	xxviii	iii	xlvi	vii	ii	lii	xxvii	xiiii	xxi	xxv	xxiii	xli	LIB o	iii liiii
viii	viii	lvi	vii	xxviii	iiii	xiii	iii	xviii	iiii	xxxvii	viii	iii	xliii	xxviii	lvii	xxii	iii	xxv	xxx	i	li
ix	ix	xlvi	viii	viii	iiii	lii	iii	lix	v	xxix	ix	iiii	xxxiiii	xxviii	xli	xxii	xliii	xxvi	xxix	ii	xlix
x	x	xxxvii	viii	xlviii	v	xviii	iiii	xli	vi	xx	x	v	xxv	xxix	xxv	xxiii	xviii	xxvii	viii	iii	xlvi
xi	xi	xxviii	ix	xxviii	vi	i	v	xxii	vii	xii	xi	vi	xv	CAN o	CER ix	xxiiii	iii	xxvii	lviii	iiii	xlv
xii	xii	xvi	x	vii	vi	xxiii	vi	iii	viii	v	xii	vii	vi	i	liii	xxiiii	xliii	xxviii	xlviii	v	xliii
xiii	xiii	v	x	xlvii	vii	viii	vi	xlv	viii	lvii	xiii	vii	lvi	i	xxxvii	xxv	xxiii	xxix VIR	xxxviii GO	vi	xli
xiiii	xiii	liii	xi	xxviii	vii	xlv	vii	xxvii	ix	xlix	xiiii	viii	xlvi	ii	xxi	xxv	iii	o	xxviii	vii	xl
xv	xiiii	xliii	xii	vii	viii	xvi	viii	ix	x	xliii	xv	ix	xxxvii	iii	v	xxvi	xlv	i	xix	viii	xxxix
xvi	xv	xxxi	xii	xlviii	viii	l	viii	lii	xi	xxv	xvi	x	xxviii	iii	li	xxvii	xxvii	ii	xii	ix	xxxix
xvii	xvi	xxi	xiii	xxviii	ix	xxv	ix	xxxv	xii	xxix	xvii	xi	xx	iii	xxxvii	xxviii	xi	iii	v	x	xxxix
xviii	xvii	x	xiiii	viii	x	o	x	xviii	xiii	xxii	xviii	xii	xii	v	xxiii	xxviii	lv	iii	lviii	xi	xxxix
xix	xviii	o	xiiii	xlix	x	xxxv	xi	i	xvi	xvi	xix	xiii	iiii	vi	x	xxix LEO	xlv	iiii	li	xii	xxxix
xx	xviii	l	xv	l	xi	x	xi	xlv	xiiii	x	xx	xiii	lvi	vi	lvii	o	xxiii	v	xlvi	xiii	xl
xxi	xix	xxxix	xvi	x	xi	xliii	xii	xxviii	xvi	iii	xxi	xiiii	xlviii	vii	xliiii	i	viii	vi	xli	xiiii	xl
xxii	xx	xxviii	xvi	l	xii	xviii	xiii	xii	xvi	lvii	xxii	xv	xl	viii	xxxi	i	liii	vii	xxxvi	xv	xli
xxiii	xxi	xviii	xvii	xxx	xii	lii	xiii	lv	xvii	li	xxiii	xvi	xxxii	ix	xix	ii	xxxviii	viii	xxxi	xvi	xlii
xxiiii	xxii	l	xvii	x	xiii	xxvi	xiiii	xxxviii	xviii	xlv	xxiiii	xvii	xxiii	x	vii	iii	xxiiii	ix	xxvi	xvii	xliii
xxv	xxiii	xvi	xviii	li	xiiii	i	xv	xxii	xix	xxxix	xxv	xviii	xvii	x	lv	iiii	x	x	xxi	xviii	xliiii
xxvi	xxiii	xlv	xix	xxxii	xiiii	xxxvi	xvi	l	xx	xxxiiii	xxvi	xix	viii	xi	xlii	v	liiii	xi	xv	xix	xlv
xxvii	xxiiii	xxxv	xx	xiii	xv	xiii	xvi	liii	xxi	xxx	xxvii	xix	lix	xii	xxix	v	xxxviii	xii	x	xx	xlvi
xxviii	xxv	xxiii	xx	liiii	xv	xlix	xvii	xxxviii	xxii	xxv	xxviii	xx	l	xiii	xvi	vi	xxvi	xiii	v	xxi	xlvii
xxix	xxvi	xiii	xxi	xxxvi	xvi	xxv	xviii	xxiiii	xxiii	xxi	xxix	xxi	xli	xiiii	iii	vii	vi	xiiii	o	xxii	xlviii
xxx	xxvii	iiii	xxii	xviii	xvi	vii	xix	x	xxiiii	xvi	xxx	xxii	xxxii	xiiii	l	vii	l	xiiii	lv	xxiii	xlviii

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	GRA MIN	GRA MIN	GRA MIN	GRA MIN	GRA MIN
	DUS UTE	DUS UTE	DUS UTE	DUS UTE	DUS UTE
i	xxiii xxviii	xv xlv	viii xlv	xv lviii	xxviii xlix
ii	xxiiii xxvii	xvi xxxviii	ix xxxviii	xvi lix	xxv lii
iii	xxv xviii	xvii xxxi	x xxxii	xviii i	xxvi liv
iiii	xxvi xviii	xviii xxiiii	xi xxvi	xix iii	xxvii lviii
v	xxvii xiiii	xix xviii	xii xx	xx v	xxix ii SAGITTARIUS
vi	xxviii ix	xx xi	xiii xiiii	xxi vii	ō v
vii	xxix iiii	xxi v	xiiii viii	xxii ix	i viii
viii	xxix lix	xxi lix	xv ii	xxiii xi	ii xi
ix	LEO ō lv	xxiii lviii	xv lvii	xxiiii xiii	iii xv
x	i li	xxiii xlvii	xvi li	xxv xvi	iiii xix
xi	ii xlvi	xxiiii xliii	xvii l	xxvi xxi	v xxiii
xii	iii xliii	xxv xxxix	xviii xlviii	xxvii xxvi	vi xxvi
xiii	iiii xl	xxvi xxxv	xix xlvi	xxviii xxxi	vii xxxix
xiiii	v xxxvii	xxvii xxxii	xx xliiii	xxix xxxvi	viii xxxii
xv	vi xxxiiii	xxviii xxix	xxi xlii	SCORPIUS ō xli	ix xxxvi
xvi	vii xxxi	xxix xxvi	xxii xli	i xlvi	x xxxix
xvii	viii xxx	VIRGO ō xxvi	xxiii xl	ii lii	xi xliii
xviii	ix xxviii	i xxv	xxiiii xlii	iiii ō	xii xlvi
xix	x xxvi	ii xxiiii	xxv xl	v vii	xiii li
xx	xi xxv	iii xxiii	xxvi xlvi	vi xiiii	xiiii lv
xxi	xii xxiiii	iiii xxiiii	xxvii l	vii xx	xv lviii
xxii	xiii xxiii	v xxv	xxviii liiii	viii xxx	xvi ii
xxiii	xiiii xxii	vi xxvi	xxix lviii LIBRA	ix xxxviii	xviii v
xxiiii	xv xxi	vii xxvii	i ii	x xlvi	xix ix
xxv	xvi xx	viii xxix	ii vii	xi lv	xx xiii
xxvi	xvii xxi	ix xxxiii	iii xv	xiii iiii	xxi xvi
xxvii	xviii xxii	x xxxvii	iiii xxiii	xiiii xiii	xxii xx
xxviii	xix xxiii	xi xli	v xxxi	xv xxiiii	xxiii xxiiii
xxix	xx xxiiii	xii xlv	vi xxxix	xvi xxxiii	xxiiii xxviii
xxx	xxi xxv	xiii l	vii xlviii	xvii xliii	xxv xxxii

	GRA MIN	GRA MIN	GRA MIN	GRA MIN	GRA MIN
	DUS UTE	DUS UTE	DUS UTE	DUS UTE	DUS UTE
i	xxii xxix	xv ō	ix v	xviii lix	xxvi xxviii
ii	xxiii xxxi	xvi vi	x xv	xix viii	xxvii xli
iii	xxiiii xxxiii	xvii xii	xi xxx	xxi xvii	xxviii xliiii
iiii	xxv xxxv	xviii xviii	xii xxxvi	xxii xxvi	xxix xlvii
v	xxvi xxxvii	xix xxiv	xiii xlvi	xxiii xxxvi	SAGITTARIUS ō l
vi	xxvii xl	xx xxxiii	xv i	xxiiii xlvi	i liii
vii	xxviii xliii	xxi xlviii	xvi xv	xxv lix	ii lvi
viii	xxix xlvi	xxii lii	xvii xxix	xxvii xi	iii lix
ix	LEO ō l	xxiiii i	xviii xliii	xxviii xxiii	v ii
x	i liiii	xxv vi	xix lvii	xxix xxxv	vi vi
xi	ii lix	xxvi xiii	xxi xiv	SCORPIUS ō xlvii	vii viii
xii	iiii iiii	xxvii xxv	xxii xxxii	i lix	viii xi
xiii	v ix	xxviii xlix	xxiiii xlix	iii xi	ix xiii
xiiii	vi xiiii	xxix lix	xxv vi	iiii xxii	x xvi
xv	vii xx	VIRGO i xi	xxvi xxiii	v xxxiii	xi xix
xvi	viii xxv	ii xxiii	xxvii xlii	vi xlv	xii xxi
xvii	ix xxxi	iii xxxvi	xxix iiii LIBRA	vii lvi	xiii xxiii
xviii	x xxxvii	iiii xlix	ō xxiiii	ix vi	xiiii xxvi
xix	xi xliii	vi ii	i xlv	x xvi	xv xxviii
xx	xii xlix	vii xv	iii vi	xi xxvi	xvi xxx
xxi	xiii lvi	viii xxx	iiii xxiii	xii xxvii	xvii xxxii
xxii	xv iii	ix xlv	v xliii	xiii xlviii	xviii xxxiii
xxiii	xvi x	xi ō	vii ō	xiiii lix	xix xxxvi
xxiiii	xvii xviii	xii xvi	viii xix	xvi x	xx xxxvii
xxv	xviii xxvi	xiii xxxii	ix xxxviii	xvii xx	xxi xxxix
xxvi	xix xxxv	xiiii l	xi ō	xviii xxxi	xxii xli
xxvii	xx xliiii	xvi viii	xii xxiii	xix liii	xxiii xliii
xxviii	xxi liii	xvii xxvi	xiii xlvi	xx lv	xxiiii xlvi
xxix	xxiii iii	xviii xlv	xv ix	xxii vi	xxv xlix
xxx	xxiiii xiii	xx iiii	xvi xxxii	xxiii xviii	xxvi li

	GRA MINV		GRA MIN		GRA MIN		GRA MIN		GRA MIN	
	DVS	TE	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE
i	xxv	xxi	xxi	xix	xvii	L	xxiiii	xxv	xxvii	li
ii	xxvi	xxix	xxii	xxxiii	xix	viii	xxv	xxxii	xxviii	li
iii	xxvii	xxxviii	xxiii	xlix	xx	xxvi	xxvi	xxxix	xxix	li
									capri	corni
iiii	xxviii	xlv	xxv	v	xxi	xliiii	xxvii	xlvi	ō	li
v	xxix	liiii	xxvi	xxi	xxiii	ii	xxviii	liiii	i	li
	vir	go					Sagit	arius		
vi	i	iii	xxvii	xxxviii	xxiiii	xxi	ō	i	ii	liiii
vii	ii	xii	xxviii	lv	xxv	xli	i	ix	iii	lvii
			libra							
viii	iii	xxii	ō	xii	xxvii	i	ii	xvi	v	ō
ix	iiii	xxxii	i	xxix	xxviii	xxi	iii	xxiiii	vi	iii
x	v	xliii	ii	xlvi	xxix	xli	iiii	xxxiiii	vii	vi
xi	vi	li	iiii	iiii	Scor	pius	v	xxxviii	viii	iii
					ō	lx				
xii	viii	l	v	xix	ii	xvii	vi	xliiii	ix	ii
xiii	ix	x	vi	xxv	iii	xxxiiii	vii	l	ix	lix
xiiii	x	xix	vii	li	iiii	li	viii	lvi	xi	lvi
xv	xi	xxix	ix	vi	vi	viii	x	i	xi	liii
xvi	xii	xxxviii	x	xxiii	vii	xxiii	xi	vii	xii	liiii
xvii	xiii	xlviii	xi	xxxix	viii	xliiii	xii	xvii	xiii	liii
xviii	xiiii	lvii	xii	lvi	x	i	xiii	xix	xiiii	liii
xix	xvi	vii	xiiii	xii	xi	xix	xiiii	xxv	xv	liii
xx	xvii	xvii	xv	xxviii	xii	xxvii	xv	xxx	xvi	liii
xxi	xviii	xxvii	xvi	xliiii	xiii	liii	xvi	xxxv	xvii	liii
xxii	xix	xxxvi	xvii	lvi	xv	ix	xvii	xl	xviii	liii
xxiii	xx	xlvi	xix	xi	xvi	xxiiii	xviii	xliiii	xix	liii
xxiiii	xxi	lvi	xx	xxv	xvii	xxix	xix	xlviii	xx	liii
xxv	xxiii	vi	xxi	xxxix	xviii	liiii	xx	lii	xxi	liii
xxvi	xxiiii	xv	xxii	liiii	xx	ix	xxi	lv	xxii	liii
xxvii	xxv	xxv	xxiiii	viii	xxi	xxiiii	xxii	lviii	xxiii	lv
xxviii	xxvi	xxxiiii	xxv	xxiii	xxii	xxviii	xxiiii	i	xxiiii	lv
xxix	xxvii	xliiii	xxvi	xxxvii	xxiii	lii	xxv	iii	xxv	lv
xxx	xxviii	liii	xxvii	xii	xxv	vi	xxvi	i	xxvi	lv

	GRA MIN		GRA MIN		GRA MIN		GRA MIN		GRA MIN	
	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE	DVS	VTE
i	ō	ii	xxix	iiii	xxvi	xviii	xxvii	ix	xxvii	lvi
			Scor	pius						
ii	i	xi	ō	xvi	xxvii	xix	xxviii	xiii	xxviii	lvi
iii	ii	xx	i	xxviii	xxviii	xliii	xxix	xviii	xxix	lvi
							capri	cornus	aqua	rius
iiii	iii	xxviii	ii	xl	xxix	xv	ō	xxiii	ō	lvi
v	iiii	xxxvii	iii	liii	Sagi	tarius	i	xxviii	i	lvii
					i	viii				
vi	v	xlv	v	iiii	ii	xx	ii	xxxi	ii	lvii
vii	vi	liii	vi	xv	iii	xxxii	iii	xxxiiii	iii	lviii
viii	viii	li	vii	xxvi	iiii	xliii	iiii	xxxviii	iiii	lix
ix	ix	ix	viii	xxxvii	v	lvi	v	xli	vi	ō
x	x	xvii	ix	xlvii	vii	vi	vi	xliiii	vii	i
xi	xi	xxiiii	x	lv	viii	xvi	vii	xlvi	viii	ii
xii	xii	xxxi	xii	iiii	ix	xxv	viii	xlix	ix	iii
xiii	xiii	xxxviii	xiii	xii	x	xxxiiii	ix	li	x	iiii
xiiii	xiiii	xlv	xiiii	xxi	xi	xliii	x	liiii	xi	v
xv	xv	lii	xv	xxx	xii	lii	xi	lvii	xii	vi
xvi	xvi	lix	xvi	xxxviii	xiiii	ii	xiii	i	xiii	viii
xvii	xviii	vi	xvii	xlvii	xv	xii	xiiii	v	xiiii	ix
xviii	xix	xiii	xviii	liiii	xvi	xxii	xv	ix	xv	x
xix	xx	xx	xx	iiii	xvii	xxxii	xvi	xiii	xvi	xv
xx	xxi	xxvi	xxi	xiii	xviii	xlii	xvii	xvii	xvii	xviii
xxi	xxii	xxxi	xxii	xviii	xix	xlix	xviii	xx	xviii	xx
xxii	xxiii	xxxvi	xxiii	xxiii	xx	lvi	xix	xxii	xix	xxii
xxiii	xxiiii	xli	xxiiii	xxviii	xxii	iii	xx	xxv	xx	xxv
xxiiii	xxv	xlv	xxv	xxxiii	xxiii	x	xxi	xxvii	xxi	xxvii
xxv	xxvi	xlix	xxvi	xxxviii	xxiiii	xvi	xxii	xxix	xxii	xxix
xxvi	xxvii	liiii	xxvii	xliiii	xxv	xxix	xxiii	xxxiii	xxiii	xxxii
xxvii	xxviii	lviii	xxviii	l	xxvi	xxxiiii	xxiiii	xxxiiii	xxiiii	xxxvi
	Scor	pius								
xxviii	ō	iii	xxix	lvi	xxvii	xliii	xxv	xliii	xxv	xxxix
xxix	i	vii	i	ii	xxviii	li	xxvi	xlviii	xxvi	xlviii
xxx	ii	xii	ii	vii	xxx	ō	xxvii	liii	xxvii	xlvii

SIC GRA NA DVS	SIC GRA NA DVS	SIC GRA ANNU NA DV T S	GRA ANNU DVS T S	GRA ANNU DVS T S	SIC GRA ANNU NA DVS T S	GRA ANNU DVS T S	GRA ANNU DVS T S	ANNU T I S.
iiii i	vii xxix	vii iiii xix	xxi xi	iii xxiiii	iiii xxiiii xxix	i vi	v xxi	xxvi
iiii ii	vii xxviii	vii iiii xxi	xxi vi	iii xxi	iiii xxiiii xxix	i vi	v xviii	i
iiii iii	vii xxvii	vii iiii xxiiii	xxi i	iii xix	iiii xxiiii xxix	i v	v xiiii	xxx
iiii iiii	vii xxvi	vii iiii xxvi	xx lvi	iii xvi	iiii xxiiii xxix	i v	v x	liii
iiii v	vii xxv	vii iiii xxix	xx l	iii xiiii	iiii xxiiii xxix	i iiii	v vii	xi
iiii vi	vii xxiiii	vii iiii xxxiii	xx xliiii	iii xi	iiii xxiiii xxix	i iiii	v iii	xxiii
iiii vii	vii xxiii	vii iiii xxxvii	xx xxxv	iii ix	iiii xxiiii xxix	i. iii	iiii lix	xxix
iiii viii	vii xxii	vii iiii xli	xx xxvii	iii vi	iiii xxiiii xxix	i iii	iiii lv	xxx
iiii ix	vii xxi	vii iiii xliv	xx xix	iii iii.	iiii xxiiii xxx	i ii	iiii li	xxvi
iiii x	vii xx	vii iiii xlix	xx x	iii i	iiii xxiiii xxx	i ii	iiii xlvii	xvi
iiii xi	vii xix	vii iiii liiii	xx i	ii lix	iiii xxiiii xxx	i i	iiii xliii	i
iiii xii	vii xviii	vii iiii lix	xix li	ii lvii	iiii xxiiii xxx	i i	iiii xxxviii	xli
iiii xiii	vii xvii	vii v iiii	xix xli	ii liiii	iiii xxiiii xxx	i ō	iiii xxxiiii	xv
iiii xiiii	vii xvi	vii v ix	xix xxx	ii li	iiii xxiiii xxx	i ō	iiii xxix	xlv
iiii xv	vii xv	vii v xv	xix xix	ii xlix	iiii xxiiii xxx	i ō	iiii xxv	x
iiii xvi	vii xiiii	vii v xxi	xix vii	ii xlv	iiii xxiiii xxxi	ō lix	iiii xx	xxx
iiii xvii	vii xiii	vii v xxvii	xviii liiii	ii xxxix	iiii xxiiii xxxi	ō lix	iiii xv	xlv
iiii xviii	vii xii	vii v xxxiiii	xviii xli	ii xxxv	iiii xxiiii xxxi	ō lviii	iiii x	lv
iiii xviiii	vii xi	vii v xli	xviii xxvii	ii xxxii	iiii xxiiii xxxii	ō lviii	iiii vi	l
iiii xx	vii x	vii v xlviii	xviii xiii	ii xxix	iiii xxiiii xxxii	ō lvii	iiii i	iii
iiii xxi	vii ix	vii v lv	xvii lviii	ii xxv	iiii xxiiii xxxiii	ō lvii	iii lvi	ō
iiii xxii	vii viii	vii vi iii	xvii xlii	ii xxii	iiii xxiiii xxxiii	ō lvi	iii l	lii
iiii xxiii	vii vii	vii vi xii	xvii xxv	ii xix	iiii xxiiii xxxiiii	ō lvi	iii xlv	xli
iiii xxiiii	vii vi	vii vi xxi	xvii vii	ii xv	iiii xxiiii xxxiiii	ō lvi	iii xl	xxv
iiii xxv	vii v	vii vi xxx	xvi xlix	ii xii	iiii xxiiii xxxiiii	ō lv.	iii xxxv	v
iiii xxvi	vii iiii	vii vi xxxix	xvi xxx	ii ix	iiii xxiiii xxxiiii	ō lv	iii xxix	xlii
iiii xxvii	vii iii	vii vi xlix	xvi x	ii v	iiii xxiiii xxxv	ō liiii	iii xxiiii	xiiii
iiii xxviii	vii ii	vii vi lix	xv l	ii ii	iiii xxiiii xxxv	ō liiii	iii xviii	xliii
iiii xxix	vii i	vii vi x	xv xxix	i lix	iiii xxiiii xxxvi	ō liiii	iii xiii	viii
iiii ō	vii ō	vii vi xxi	xv viii	i lvii	iiii xxiiii xxxvi	ō liii	iii vii	xxx

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SIG	GRA	SIG	GRA	SIG	GRA	MINV	GRA	MINV	GRA	MINV	SIG	GRA	MINV	GRA	MINV	GRA	MINV	MINV
NA	DUS	NA	DUS	NA	DUS	TE	DUS	TE	DUS	TE	NA	DUS	TE	DUS	TE	DUS	TE	TIE
v	i	vi	xxix	vii	vii	xxxii	xiiii	xlv	i	lv	iiii	xviiii	xxxvi	ō	liii	ii	i	xlviii
v	ii	vi	xxviii	vii	vii	xliii	xiiii	xvii	i	lii	iiii	xviiii	xxxvi	ō	liii	ii	lvii	iii
v	iii	vi	xxvii	vii	vii	lv	xiii	lix	i	xlviii	iiii	xviiii	xxxvii	ō	lii	ii	l	xv
v	iiii	vi	xxvi	vii	viii	vii	xiii	xxxiiii	i	xliii	iiii	xviiii	xxxvii	ō	lii	ii	xliiii	xxiii
v	v	vi	xxv	vii	viii	xx	xiii	ix	i	xl	iiii	xviiii	xxxvii	ō	lii	ii	xxxviii	xxix
v	vi	vi	xxiiii	vii	viii	xxxiii	xii	xlii	i	xxxvi	iiii	xviiii	xxxviii	ō	lii	ii	xxxii	xxxii
v	vii	vi	xxiii	vii	viii	xlvii	xii	xv	i	xxxii	iiii	xviiii	xxxviii	ō	li	ii	xxvi	xxxii
v	viii	vi	xxii	vii	ix	i	xi	xlvii	i	xxviii	iiii	xviiii	xxxviii	ō	li	ii	xx	xxix
v	viiii	vi	xxi	vii	ix	xv	xi	xix	i	xxiiii	iiii	xviiii	xxxix	ō	li	ii	xiiii	xxiii
v	x	vi	xx	vii	ix	xxix	x	l	i	xxi	iiii	xviiii	xxxix	ō	li	ii	viii	xv
v	xi	vi	xix	vii	ix	xliiii	x	xxi	i	xvii	iiii	xviiii	xxxix	ō	l	ii	ii	v
v	xii	vi	xviii	vii	ix	lix	ix	li	i	xiii	iiii	xviiii	xxxix	ō	l	i	lv	liii
v	xiii	vi	xvii	vii	x	xiiii	ix	xxi	i	ix	iiii	xviiii	xxxix	ō	l	i	xlix	lviii
v	xiiii	vi	xvi	vii	x	xxix	viii	l	i	v	iiii	xviiii	xxxix	ō	l	i	xliii	xxii
v	xv	vi	xv	vii	x	xliiii	viii	xx	i	ii	iiii	xviiii	xl	ō	l	i	xxxvii	iii
v	xvi	vi	xiiii	vii	xi	ō	vii	xlviii	ō	lvii	iiii	xviiii	xl	ō	l	i	xxx	xliii
v	xvii	vi	xiii	vii	xi	xvi	vii	xvi	ō	liii	iiii	xviiii	xl	ō	l	i	xxiiii	xxi
v	xviii	vi	xii	vii	xi	xxxii	vi	xlv	ō	xlix	iiii	xviiii	xl	ō	xlix	i	xviii	lviii
v	xix	vi	xi	vii	xi	xlviii	vi	xii	ō	xlv	iiii	xviiii	xl	ō	xlix	i	xi	xxxiii
v	xx	vi	x	vii	xii	iiii	v	xl	ō	xli	iiii	xviiii	xli	ō	xlix	i	v	vii
v	xxi	vi	ix	vii	xii	xxi	v	vii	ō	xxxvii	iiii	xviiii	xli	ō	xlix	ō	lviii	xl
v	xxii	vi	viii	vii	xii	xxxviii	iiii	xxxiii	ō	xxxiii	iiii	xviiii	xli	ō	xlix	ō	lii	xi
v	xxiii	vi	vii	vii	xii	lvi	iiii	ō	ō	xxviii	iiii	xviiii	xli	ō	xlix	ō	xlv	xlii
v	xxiiii	vi	vi	vii	xiii	xi	iii	xxvi	ō	xxiiii	iiii	xviiii	xli	ō	xlix	ō	xxxix	xii
v	xxv	vi	v	vii	xiii	xxviii	ii	liii	ō	xx	iiii	xviiii	xli	ō	xlviii	ō	xxxii	xli
v	xxvi	vi	iiii	vii	xiii	xlv	ii	xviii	ō	xvi	iiii	xviiii	xli	ō	xlviii	ō	xxvi	x
v	xxvii	vi	iii	vii	xiiii	ii	i	xlv	ō	xii	iiii	xviiii	xli	ō	xlviii	ō	xix	xxxviii
v	xxviii	vi	ii	vii	xiiii	xix	i	x	ō	viii	iiii	xviiii	xlii	ō	xlviii	ō	xiiii	v
v	xxix	vi	i	vii	xiiii	xxxvii	ō	xxxv	ō	iiii	iiii	xviiii	xlii	ō	xlviii	ō	vi	xxxiii
v	ō	vi	ō	vii	xiiii	liiii	ō	ō	ō	ō	iiii	xviiii	xlii	ō	xlviii	ō	ō	ō

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SIGNA FACIES	ARIES		TAURUS		GEMINI		CANCER		LEO		VIRGO		LIBRA		SCORPIUS		SAGITTARIUS		CAPRICORNUS		AQUARIUS		PISCES	
	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE	GRADUS	MINUTE
x	ix	xxvi	ix	xx	ix	xxxiii	xi	xxix	xv	lviii	xx	xx	xxi	xviii	xix	xi	xiiii	xv	x	xxxiii	ix	xxi	ix	xxi
xx	ix	xxv	ix	xviii	ix	lvii	xii	xlviii	xvii	xxxi	xxi	iiii	xv	iiii	xvii	xxxi	xii	xlviii	ix	lvii	ix	xviii	ix	xxv
xxx	ix	xxi	ix	xxi	x	xxxiii	xiiii	xv	xix	xvi	xxi	lviii	xx	xx	xvi	lviii	xi	xxix	ix	xxxiii	ix	xix	ix	xxvi

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SIG	GRA	SIG	GRA	SIG	GRA	SIG	GRA			
NA	DUS	NA	DUS	NA	DUS	NA	DUS			
ó	i	v	xxix	vi	i	xi	xxix	i	ii	i
ó	ii	v	xxviii	vi	ii	xi	xxviii	ii	v	xxxviii
ó	iii	v	xxvii	vi	iii	xi	xxvii	iii	viii	xxiiii
ó	iiii	v	xxvi	vi	iiii	xi	xxvi	iiii	xi	vii
ó	v	v	xxv	vi	v	xi	xxv	v	xiii	xlvi
ó	vi	v	xxiiii	vi	vi	xi	xxiiii	vi	xvi	xviii
ó	vii	v	xxiii	vi	vii	xi	xxiii	vii	xviii	xliii
ó	viii	v	xxii	vi	viii	xi	xxii	viii	xxi	i
ó	ix	v	xxi	vi	ix	xi	xxi	ix	xxiii	ix
ó	x	v	xx	vi	x	xi	xx	x	xxv	viii
ó	xi	v	xix	vi	xi	xi	xix	xi	xxvi	liiii
ó	xii	v	xviii	vi	xii	xi	xviii	xii	xxviii	xxix
ó	xiii	v	xvii	vi	xiii	xi	xvii	xiii	xix	xlix
ó	xiiii	v	xvi	vi	xiiii	xi	xvi	xiiii	xxx	xxxv
ó	xv	v	xv	vi	xv	xi	xv	xv	xxxi	xlv
ó	xvi	v	xiiii	vi	xvi	xi	xiiii	xvi	xxxii	xvii
ó	xvii	v	xiii	vi	xvii	xi	xiii	xvii	xxxii	xxiii
ó	xviii	v	xii	vi	xviii	xi	xii	xviii	xxxii	xxvii
ó	xix	v	xi	vi	xix	xi	xi	xix	xxxii	ii
ó	xx	v	x	vi	xx	xi	x	xx	xxxi	vi
ó	xxi	v	ix	vi	xxi	xi	ix	xxi	xxx	vii
ó	xxii	v	viii	vi	xxii	xi	viii	xxii	xxviii	xxxv
ó	xxiii	v	vii	vi	xxiii	xi	vii	xxiii	xxvi	xxxviii
ó	xxiiii	v	vi	vi	xxiiii	xi	vi	xxiiii	xxiiii	xv
ó	xxv	v	v	vi	xxv	xi	v	xxv	xxi	xxv
ó	xxvi	v	iiii	vi	xxvi	xi	iiii	xxvi	xviii	viii
ó	xxvii	v	iii	vi	xxvii	xi	iii	xxvii	xiiii	xxvii
ó	xxviii	v	ii	vi	xxviii	xi	ii	xxviii	xv	vi
ó	xxix	v	i	vi	xxix	xi	i	xxix	v	xix
i	ó	v	ó	vi	ó	xi	ó	xxx	ó	ó

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SIG GRA NA DVS	SIG GRA NA DVS	SIG GRA NA DVS	SIG GRA NA DVS		SIG GRA NA DVS	SIG GRA NA DVS	SIG GRA NA DVS	SIG GRA NA DVS	
i i	iiii xxix	vii i	x xxix	xxx liiii viii	ii i	iii xxix	viii i	ix xxix	lii xxviii xxviii
i ii	iiii xxviii	vii ii	x xxviii	xxxi xlvii xliiii	ii ii	iii xxviii	viii ii	ix xxviii	lii xxviii xxvii
i iii	iiii xxvii	vii iii	x xxvii	xxxii xl xli	ii iii	iii xxvii	viii iii	ix xxvii	liii xxvii xxvii
i iiii	iiii xxvi	vii iiii	x xxvi	xxxiii xxxviii vi	ii iiii	iii xxvi	viii iiii	ix xxvi	liii lv xl
i v	iiii xxv	vii v	x xxv	xxxiiii xxxiii xii	ii v	iii xxv	viii v	ix xxv	liiii xxii xlii
i vi	iiii xxiiii	vii vi	x xxiiii	xxxv xvi ii	ii vi	iii xxiiii	viii vi	ix xxiiii	liiii xlviii xlvi
i vii	iiii xxiii	vii vii	x xxiii	xxxvi vi xxxii	ii vii	iii xxiii	viii vii	ix xxiii	lv xiii xlix
i viii	iiii xxii	vii viii	x xxii	xxxvi lvi xxiii	ii viii	iii xxii	viii viii	ix xxii	lv xxxviii lii
i ix	iiii xxi	vii ix	x xxi	xxxvii xlv xxxiii	ii ix	iii xxi	viii ix	ix xxi	lvi ó liii
i x	iiii xx	vii x	x xx	xxxviii xxxiiii ii	ii x	iii xx	viii x	ix xx	lvi xxii liiii
i xi	iiii xix	vii xi	x xix	xxxix xxi xlix	ii xi	iii xix	viii xi	ix xix	lvi xliiii lii
i xii	iiii xviii	vii xii	x xviii	xl viii lii	ii xii	iii xviii	viii xii	ix xviii	lvii iii xlviii
i xiii	iiii xvii	vii xiii	x xvii	xl lv xii	ii xiii	iii xvii	viii xiii	ix xvii	lvii xxii xlii
i xiiii	iiii xvi	vii xiiii	x xvi	xli xl vi	ii xiiii	iii xvi	viii xiiii	ix xvi	lvii xl xxxii
i xv	iiii xv	vii xv	x xv	xlii xxv xxxv	ii xv	iii xv	viii xv	ix xv	lvii lvii xx
i xvi	iiii xiiii	vii xvi	x xiiii	xliii ix xxxvii	ii xvi	iii xiiii	viii xvi	ix xiiii	lviii xiii iiii
i xvii	iiii xiii	vii xvii	x xiii	xliii lii lii	ii xvii	iii xiii	viii xvii	ix xiii	lviii xxvii xliiii
i xviii	iiii xii	vii xviii	x xii	xliiii xxxv xix	ii xviii	iii xii	viii xviii	ix xii	lviii xli xx
i xix	iiii xi	vii xix	x xi	xlv xvi xxxvii	ii xix	iii xi	viii xix	ix xi	lviii liii li
i xx	iiii x	vii xx	x x	xlv lvii xlvi	ii xx	iii x	viii xx	ix x	lix v xviii
i xxi	iiii ix	vii xxi	x ix	xlvi xxxviii xliiii	ii xxi	iii ix	viii xxi	ix ix	lix xv xli
i xxii	iiii viii	vii xxii	x viii	xlvii xvi l	ii xxii	iii viii	viii xxii	ix viii	lix xxiiii lviii
i xxiii	iiii vii	vii xxiii	x vii	xlvii lv v	ii xxiii	iii vii	viii xxiii	ix vii	lix xxxiii xi
i xxiiii	iiii vi	vii xxiiii	x vi	xlviii xxxii xxviii	ii xxiiii	iii vi	viii xxiiii	ix vi	lix xl xvi
i xxv	iiii v	vii xxv	x v	xlix viii lvii	ii xxv	iii v	viii xxv	ix v	lix xlvi xvii
i xxvi	iiii iiii	vii xxvi	x iiii	xlix xliiii li	ii xxvi	iii iiii	viii xxvi	ix iiii	lix li xiiii
i xxvii	iiii iii	vii xxvii	x iii	l xix xiii	ii xxvii	iii iii	viii xxvii	ix iii	lix lv iiii
i xxviii	iiii ii	vii xxviii	x ii	l lii lviii	ii xxviii	iii ii	viii xxviii	ix ii	lix lvii xlix
i xxix	iiii i	vii xxix	x i	li xxv xlviii	ii xxix	iii i	viii xxix	ix i	lix lix xxvii
i ó	iiii ó	vii ó	x o	li lvii xli	ii ó	iii ó	viii ó	ix ó	lix ó ó

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i	i	v	xxxiii	i	xxxiii	xviii	xiii	i	lxiii	vi	lvii
ii	ii	xi	vii	ii	xxxiiii	xxv	xxix	ii	lxiiii	iii	liiii
iii	iii	xvi	xl	iii	xxxv	xxii	xxxvi	iii	lxv	ō	xlix
iiii	iiii	xxii	xiii	iiii	xxxvi	xxiiii	xxxii	iiii	lxv	lvii	xxxiiii
v	v	xxvii	xlviii	v	xxxvii	xxvi	xvi	v	lxvi	liiii	xi
vi	vi	xxxiii	viii	vi	xxxviii	xxvii	xlix	vi	lxvii	l	xxxi
vii	vii	xxxviii	xxxii	vii	xxxix	xxix	xi	vii	lxviii	xlvii	i
viii	viii	xliii	lv	viii	xl	xxx	xxi	viii	lxix	xliii	xi
ix	ix	xlix	xv	ix	xli	xxx	xix	ix	lxx	xxxix	xvi
x	x	liiii	xxxiiii	x	xlii	xxxii	vi	x	lxxi	xxxv	xv
xi	xi	lix	li	xi	xliii	xxxii	xli	xi	lxxii	xxxi	x
xii	xiii	v	iii	xii	xliiii	xxxiii	iiii	xii	lxxiii	xxvi	lvii
xiii	xiiii	x	vii	xiii	xlv	xxviii	xvi	xiii	lxxiiii	xxii	xl
xiiii	xv	xv	ii	xiiii	xlvi	xxxiii	xix	xiiii	lxxv	xviii	xviii
xv	xvi	xix	xlvi	xv	xlvii	xxxiii	xi	xv	lxxvi	xiii	xlix
xvi	xvii	xxiiii	xxvii	xvi	xlviii	xxxii	liiii	xvi	lxxvii	ix	xv
xvii	xviii	xxviii	xlix	xvii	xlix	xxxii	xxvi	xvii	lxxviii	iiii	xxxviii
xviii	xix	xxxiii	xxiiii	xviii	l	xxxi	xlvi	xviii	lxxviii	lix	lvii
xix	xx	xxxvii	xliii	xix	li	xxx	liii	xviiii	lxxix	lv	xiii
xx	xxi	xli	lvi	xx	lii	xxix	xlviii	xx	lxxx	l	xx
xxi	xxii	xlvi	ii	xxi	liii	xxviii	xxxii	xxi	lxxxi	xlv	xxvii
xxii	xxiii	xlix	lix	xxii	liiii	xxvii	vi	xxii	lxxxii	xl	xxxi
xxiii	xxiiii	liii	xlvi	xxiii	lv	xxv	xxix	xxiii	lxxxiii	xxxv	xxxiii
xxiiii	xxv	lviii	xxii	xxiiii	lvi	xxiii	xlii	xxiiii	lxxxiiii	xxx	xxiii
xxv	xxvii	ō	xlviii	xxv	lvii	xxi	xlvii	xxv	lxxxv	xxv	xxxi
xxvi	xxviii	iiii	vi	xxvi	lviii	xix	xlii	xxvi	lxxxvi	xx	xxvii
xxvii	xxix	vii	xvii	xxvii	lix	xvii	xxviii	xxvii	lxxxvii	xv	xxii
xxviii	xxx	x	xix	xxviii	lx	xv	vi	xxviii	lxxxviii	x	xv
xxix	xxxi	xiii	x	xxix	lxi	xii	xxxiiii	xxix	lxxxix	v	viii
xxx	xxxii	xv	xlviii	xxx	lxii	ix	li	xxx	xc	ō	ō

i	xc	liiii	lii	i	cxviii	xlvii	xxvi	i	cxlviii	xlvi	l
ii	xci	xlix	xlv	ii	cxix	xliiii	liiii	ii	cxlix	xlix	xli
iii	xcii	xliiii	xxxviii	iii	cxx	xlii	xvi	iii	cl	lii	xliii
iiii	xciii	xxxix	xxxiii	iiii	cxxi	xl	xviii	iiii	cli	lv	liiii
v	xciiii	xxxiiii	xxix	v	cxxii	xxxviii	xiii	v	clii	lix	xii
vi	xcv	xxix	xxvii	vi	cxxiii	xxxvi	xviii	vi	cliiii	ii	xxxviii
vii	xcvi	xxiiii	xxvii	vii	cxxiiii	xxxiiii	xxxi	vii	clv	vi	xiiii
viii	xcvii	xix	xxix	viii	cxxv	xxxii	liiii	viii	clvi	x	i
ix	xcviii	xiiii	xxxiii	ix	cxxvi	xxxi	xxviii	ix	clvii	xiii	lviii
x	xcix	ix	xl	x	cxxvii	xxx	xlii	x	clviii	xviii	iiii
xi	c	iiii	l	xi	cxxviii	xxix	vii	xi	clix	xxii	xvii
xii	ci	ō	iii	xii	cxxix	xxviii	xiiii	xii	clx	xxvi	xxxvi
xiii	cii	lv	xxii	xiii	cxxx	xxvii	xxxiiii	xiii	clxi	xxxi	i
xiiii	ciii	l	xlv	xiiii	cxxxi	xxvii	vi	xiiii	clxii	xxxv	xxxiii
xv	ciiii	xlvi	xxi	xv	cxxxii	xxvi	xlix	xv	clxiii	xl	xiiii
xvi	cv	xli	xlii	xvi	cxxxiii	xxvi	xli	xvi	clxiiii	xliiii	lvii
xvii	cvi	xxxvii	xx	xvii	cxxxiiii	xxvi	xliiii	xvii	clxv	lix	liii
xviii	cvii	xxxiii	iii	xviii	cxxxv	xxvi	lvi	xviii	clxvi	liiii	lvii
xix	cviii	xlviii	l	xix	cxxxvi	xxvii	xix	xix	clxviii	ō	ix
xx	cviiii	x iiii	xlv	xx	cxxxvii	xxvii	liiii	xx	clxix	v	xxvi
xxi	cix	xx	xlviii	xxi	cxxxviii	xxviii	xli	xxi	clxx	x	xliiii
xxii	cx	xvi	xlix	xxii	cxxxix	xxix	xxxix	xxii	clxxi	xvi	v
xxiii	cxi	xii	lix	xxiii	cxl	xxx	xlix	xxiii	clxxii	xxi	xxviii
xxiiii	cxii	ix	xxix	xxiiii	cxli	xxxii	xi	xxiiii	clxxiii	xxvi	lii
xxv	cxiii	v	xlix	xxv	cxlii	xxxiii	xliiii	xxv	clxxiiii	xxxii	xii
xxvi	cxiiii	ii	xxv	xxvi	cxliii	xxxv	xxxviii	xxvi	clxxv	xxxvii	xlvii
xxvii	cxiiii	lix	xi	xxvii	cxliiii	xxxvii	xxiiii	xxvii	clxxvi	xliii	xx
xxviii	cxv	lvi	vi	xxviii	cxlv	xxxix	xxxi	xxviii	clxxvii	xlviii	xxiii
xxix	cxvi	liii	iii	xxix	cxlvi	xli	xlvii	xxix	clxxviii	liiii	xxvii
xxx	cxvii	l	ix	xxx	cxlvii	xliiii	xii	xxx	clxxix	ō	ō

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i	clxxxi	v	xxiii	i	ccxiii	xviii	xiii	i	ccxliii	vi	lvii
ii	clxxxii	xi	xxiiii	ii	ccxiiii	xxv	xxix	ii	ccxliiii	iii	liiii
iii	clxxxiii	xvi	xlvii	iii	ccxv	xxii	xxxviii	iii	ccxlv	ō	xlix
iiii	clxxxiiii	xxii	xiii	iiii	ccxvi	xxiiii	xxxii	iiii	ccxlv	lvii	xxxiiii
v	clxxxv	xxvii	xliii	v	ccxvii	xxvi	lvi	v	ccxlvi	liii	xi
vi	clxxxvi	xxxiii	viii	vi	ccxviii	xxvii	xlix	vi	ccxlvii	l	xxxi
vii	clxxxvii	xxxviii	xxxii	vii	ccxix	xxix	xi	vii	ccxlviii	xlvii	i
viii	clxxxviii	xliiii	lv	viii	ccxx	xxx	xxi	viii	ccxlix	xliii	xi
ix	clxxxix	xlix	xvi	ix	ccxxi	xxxi	xix	ix	ccl	xxxix	xvi
x	cxc	liiii	xxxiiii	x	ccxxii	xxxii	vi	x	ccli	xxxv	xv
xi	cxci	lix	li	xi	ccxxiii	xxxii	xli	xi	cclii	xxxi	x
xii	cxcii	v	iii	xii	ccxxiiii	xxxiii	iiii	xii	ccliii	xxvi	lvii
xiii	cxciii	x	vii	xiii	ccxxv	xxxiii	xvi	xiii	ccliiii	xx	xl
xiiii	cxcv	xv	ii	xiiii	ccxxvi	xxxiii	xix	xiiii	cclv	xviii	xviii
xv	cxcvi	xix	xlvi	xv	ccxxvii	xxxiii	li	xv	cclvi	xiii	xlix
xvi	cxcvii	xxiiii	xxvii	xvi	ccxxviii	xxxii	liiii	xvi	cclvii	ix	xv
xvii	cxcviii	xxviii	lix	xvii	ccxxix	xxxii	xxvi	xvii	cclviii	iiii	xxviii
xviii	cxcix	xxxiii	xxiiii	xviii	ccxxx	xxxi	xlvi	xviii	cclviii	lix	xxxvii
xix	cc ō	xxxvii	xliii	xix	ccxxxi	xxx	liii	xix	cclix	lv	x
xx	cci	xli	lvi	xx	ccxxxii	xxix	xlviii	xx	cclx	l	xx
xxi	ccii	xlvi	ii	xxi	ccxxxiii	xxviii	xxxii	xxi	cclxi	xlv	xviii
xxii	cciii	xlix	lix	xxii	ccxxxiiii	xxvii	vi	xxii	cclxii	xl	xxxi
xxiii	cciiii	liii	xlvi	xxiii	ccxxxv	xxv	xxix	xxiii	cclxiii	xxxv	xxxiii
xxiiii	ccv	lvii	xxii	xxiiii	ccxxxvi	xxiii	xlii	xxiiii	cclxiiii	xxx	xxxiii
xxv	ccvii	ō	xlviii	xxv	ccxxxvii	xxi	xlvii	xxv	cclxv	xxv	xxxi
xxvi	ccviii	iiii	vi	xxvi	ccxxxviii	xix	xlii	xxvi	cclxvi	xx	xxvii
xxvii	ccix	vii	xvii	xxvii	ccxxxviiii	xvii	xxviii	xxvii	cclxvii	xv	xviii
xxviii	ccx	x	xix	xxviii	ccxxxix	xv	vi	xxviii	cclxviii	x	xv
xxix	ccxi	xiii	x	xxix	ccxl	xii	xxxiiii	xxix	cclxix	v	viii
xxx	ccxii	xv	xlviii	xxx	ccxli	ix	li	xxx	cclxx	ō	ō

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i	cclxx	liii	lii	i	ccxcviii	xlvii	xxvii	i	cccxxviii	xlvi	l
ii	cclxxi	xlix	xlix	ii	ccxcix	xliiii	liiii	ii	cccxxix	xlix	xli
iii	cclxxii	xliii	xviii	iii	ccc	xlii	xxxii	iii	cccxxx	lii	xliii
iiii	cclxxiii	xxxix	xxxiii	iiii	ccci	xl	xviii	iiii	cccxxxi	lv	xiiii
v	cclxxiiii	xxxiiii	xxix	v	cccii	xxxviii	xiii	v	cccxxxii	lix	xii
vi	cclxxv	xxix	xxvii	vi	ccciii	xxxvi	xviii	vi	cccxxxiii	ii	xxxviii
vii	cclxxvi	xxiiii	xxvii	vii	ccciiii	xxxiiii	xxxi	vii	cccxxxv	vi	xiiii
viii	cclxxvii	xix	xxix	viii	cccv	xxxii	liiii	viii	cccxxxvi	xv	i
ix	cclxxviii	xiiii	i	ix	cccvi	xxxi	xxviii	ix	cccxxxvii	xiiii	lviii
x	cclxxix	ix	xl	x	cccvii	xxx	xii	x	cccxxxviii	xviii	iiii
xi	cclxxx	iiii	l	xi	cccviii	xxix	vii	xi	cccxxxix	xxii	xvii
xii	cclxxxi	ō	iii	xii	cccix	xxviii	xiiii	xii	cccxl	xxvi	xxxvii
xiii	cclxxxi	lv	xxiii	xiii	cccx	xxvii	xxxiiii	xiii	cccxli	xxxi	i
xiiii	cclxxxii	l	xlv	xiiii	cccxi	xxvii	vi	xiiii	cccxli	xxxv	xxxiii
xv	cclxxxiii	xlvi	xi	xv	cccxii	xxvi	xlix	xv	cccxlii	xl	liiii
xvi	cclxxxiiii	xli	xlii	xvi	cccxiii	xxvi	xli	xvi	cccxliii	xliiii	lviii
xvii	cclxxxv	xxxvii	xv	xvii	cccxiiii	xxvi	xliiii	xvii	cccxliiii	xlix	liii
xviii	cclxxxvi	xxxiii	iii	xviii	cccxv	xxvi	xlvi	xviii	cccxlvi	liiii	xxxvii
xix	cclxxxvii	xxviii	l	xix	cccxvi	xxvii	xix	xix	cccxlvii	ō	ix
xx	cclxxxviii	xxiiii	xlv	xx	cccxvii	xxvii	liiii	xx	cccxlix	v	xxvi
xxi	cclxxxix	xx	xliii	xxi	cccxviii	xxviii	xli	xxi	cccl	x	xliiii
xxii	ccxc	xvi	xlix	xxii	cccxix	xxix	xxxix	xxii	cccli	xv	v
xxiii	ccxci	xii	lix	xxiii	cccxx	xxx	xlix	xxiii	ccclii	xxi	xxxviii
xxiiii	ccxcii	ix	xxi	xxiiii	cccxxi	xxxii	xi	xxiiii	cccliii	xxvi	lii
xxv	ccxciii	v	xlix	xxv	cccxxii	xxxiii	xliiii	xxv	cccliiii	xxxii	xviii
xxvi	ccxciii	ii	xxvi	xxvi	cccxxiii	xxxv	xxviii	xxvi	ccclv	xxxvii	xlii
xxvii	ccxciiii	lix	xi	xxvii	cccxxiiii	xxxvii	xxiiii	xxvii	ccclvi	xliii	xiii
xxviii	ccxcv	lvi	iiii	xxviii	cccxxv	xxxix	xxxi	xxviii	ccclvii	xlviii	xlvi
xxix	ccxcvi	liii	iii	xxix	cccxxvi	xli	xlvii	xxix	ccclviii	liiii	xxxvii
xxx	ccxcvii	l	ix	xxx	cccxxvii	xliiii	xii	xxx	ccclx	ō	ō

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i	dclxxxvii	xxiii	xxxi	xix	lviii	lxi	vi	xxxix
ii	ccclxxxviii	xxxviii	xxxii	xix	xiii	lxii	vi	xxiiii
iii	ccxliii	xlvii	xxxiii	xviii	xxiii	lxiii	vi	vii
iiii	clxxxi	xxxvi	xxxiiii	xvii	xlvii	lxiiii	v	ii
v	clviii	xxxv	xxxv	xvii	vi	lxv	v	xxxv
vi	cxiiii	x	xxxvi	xvi	xxx	lxvi	v	xxi
vii	xcvii	xliiii	xxxvii	xv	lv	lxvii	v	iiii
viii	lxxxv	xxii	xxxviii	xv	xxi	lxviii	iiii	ii
ix	lxxv	xlv	xxxix	xiiii	xlviii	lxix	iiii	xxxvi
x	lxviii	xxxiiii	xl	xiiii	xviii	lxx	iiii	xxii
xi	lxi	xliiii	xli	xiii	xlviii	lxxi	iiii	ix
xii	lvi	xxvii	xlii	xiii	xviii	lxxii	iii	liii
xiii	li	lviii	xliii	xii	lii	lxxiii	iii	xl
xiiii	xlvi	ix	xliiii	xii	xxv	lxxiiii	iii	xxvi
xv	xliii	xlvii	xlv	xii	ō	lxxv	iii	xiii
xvi	xli	li	xlvi	xi	xxxv	lxxvi	ii	lix
xvii	xxxix	xv	xlvii	xi	xi	lxxvii	ii	xlvi
xviii	xxxvi	lv	xlviii	x	xlviii	lxxviii	ii	xxxii
xix	xxxiiii	xlv	xlix	x	xxv	lxxix	ii	xix
xx	xxxii	lii	l	x	iiii	lxxx	ii	vi
xxi	xxxi	xv	li	ix	xliii	lxxxi	i	liiii
xxii	xxix	xlv	lii	ix	xxii	lxxxii	i	xli
xxiii	xxviii	xvi	liii	ix	ii	lxxxiii	i	xxviii
xxiiii	xxvi	lv	liiii	viii	xliiii	lxxxiiii	i	xv
xxv	xxv	xliiii	lv	viii	xciiii	lxxxv	i	ii
xxvi	xxiiii	xxxvi	lvi	viii	v	lxxxvi	ō	l
xxvii	xxiii	xxxiii	lvii	vii	xlviii	lxxxvii	ō	xxxvii
xxviii	xxii	xxxiiii	lviii	vii	xxix	lxxxviii	ō	xxv
xxix	xxi	xlvii	lix	vii	xii	lxxxix	ō	lii
xxx	xx	xlvii	lx	vi	lv	xc	ō	ō

	GRADVS	MINVTE	MINVTIE	TERTIE	QVARTE	QVINTE	SEXTE
GRADVS	GRADVS	MINVTE	MINVTIE	TERTIE	QVARTA	QVINTA	SEXTA
MINUTE	MINVTE	MINVTIE	TERTIE	QVARTE	QVINTA	SEXTA	SEPTIMA
MINVTIE	MINVTIE	TERTIE	QVARTE	QVINTE	SEXTA	SEPTIMA	OCTAVA
TERTIE	TERTIE	QVARTE	QVINTE	SEXTE	SEPTIMA	OCTAVA	NONA
QVARTE	QVARTE	QVINTE	SEXTE	SEPTIMA	OCTAVA	NONA	DECIMA
QVINTE	QVINTE	SEXTE	SEPTIME	OCTAVA	NONA	DECIMA	VNDECIMA
SEXTE	SEXTE	SEPTIME	OCTAVE	NONA	DECIMA	UNDECIMA	DVODECIMA

Sig gra na dus	Sig gra na dus	min minu ute tie	min minu ute tie	min minu ute tie	min minu ute tie	min minu ute tie	minu minu te. tie.
ō i	xi xxix	ii xxii	xxx xii	xv xl	xiiii xxxviii	xi lii	xlviii xix
ō ii	xi xxviii	ii xxii	xxx xii	xv xl	xiiii xxxviii	xi lii	xlviii xx
ō iii	xi xxvii	ii xxii	xxx xii	xv xl	xiiii xxxix	xi lii	xlviii xx
ō iiii	xi xxvi	ii xxii	xxx xiii	xv xl	xiiii xxxix	xi lii	xlviii xx
ō v	xi xxv	ii xxii	xxx xiii	xv xl	xiiii xxxix	xi lii	xlviii xx
ō vi	xi xxiiii	ii xxii	xxx xiii	xv xl	xiiii xxxix	xi lii	xlviii xxi
vii	xi xxiii	ii xxii	xxx xiii	xv xl	xiiii xxxix	xi lii	xlviii xxi
ō viii	xi xxii	ii xxii	xxx xiiii	xv xl	xiiii xxxix	xi lii	xlviii xxii
ō ix	xi xxi	ii xxii	xxx xiiii	xv xl	xiiii xxxix	xi lii	xlviii xxii
ō x	xi xx	ii xxii	xxx xiiii	xv xl	xiiii xxxix	xi lii	xlviii xxiii
ō xi	xi xix	ii xxii	xxx xv	xv xl	xiiii xl	xi lii	xlviii xxiiii
ō xii	xi xviii	ii xxii	xxx xv	xv xl	xiiii xl	xi lii	xlviii xxv
ō xiii	xi xvii	ii xxii	xxx xvi	xv xli	xiiii xl	xi lii	xlviii xxvi
ō xiiii	xi xvi	ii xxii	xxx xvii	xv xli	xiiii xl	xi liii	xlviii xxvii
ō xv	xi xv	ii xxiii	xxx xvii	xv xli	xiiii xli	xi liii	xlviii xxviii
ō xvi	xi xiiii	ii xxiii	xxx xviii	xv xli	xiiii xli	xi liii	xlviii xxix
ō xvii	xi xiii	ii xxiii	xxx xix	xv xli	xiiii xlii	xi liii	xlviii xxx
ō xviii	xi xii	ii xxiii	xxx xx	xv xli	xiiii xlii	xi liii	xlviii xxxii
ō xix	xi xi	ii xxiii	xxx xxi	xv xli	xiiii xliii	xi liii	xlviii xxxiii
ō xx	xi x	ii xxiii	xxx xxii	xv xli	xiiii xliii	xi liii	xlviii xxxv
ō xxi	xi ix	ii xxiii	xxx xxiii	xv xlii	xiiii xliiii	xi liii	xlviii xxxvii
ō xxii	xi viii	ii xxiii	xxx xxiiii	xv xlii	xiiii xliiii	xi liiii	xlviii xxxix
ō xxiii	xi vii	ii xxiii	xxx xxv	xv xlii	xiiii xlv	xi liiii	xlviii xli
ō xxiiii	xi vi	ii xxiii	xxx xxvii	xv xlii	xiiii xlv	xi liiii	xlviii xliii
ō xxv	xi v	ii xxiii	xxx xxviii	xv xliii	xiiii xlvi	xi liiii	xlviii xliiii
ō xxvi	xi iiii	ii xxiii	xxx xxix	xv xliii	xiiii xlvii	xi liiii	xlviii xlvii
ō xxvii	xi iii	ii xxiii	xxx xxx	xv xliii	xiiii xlvii	xi lv	xlviii xlix
ō xxviii	xi ii	ii xxiii	xxx xxxii	xv xliiii	xiiii xlviii	xi lv	xlviii li
ō xxix	xi i	ii xxiii	xxx xxxiii	xv xliiii	xiiii xlviii	xi lv	xlviii liii
ō ō	xi ō	ii xxiii	xxx xxxiiii	xv xliiii	xiiii xlix	xi lv	xlviii lv

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i i	x xxix	ii xciii	xxx xxxvi	xv xlv	xiiii l	xi lvi	xlviii lvii
i ii	x xxviii	ii xciii	xxx xxxvii	xv xlv	xiiii l	xi lvi	xlviii lix
i iii	x xxvii	ii xciii	xxx xxxviii	xv xlv	xiiii li	xi lvi	xlix ii
i iiii	x xxvi	ii xciii	xxx xl	xv xlvi	xiiii lii	xi lvi	xlix iiii
i v	x xxv	ii xciii	xxx xli	xv xlvi	xiiii lii	xi lvii	xlix vi
i vi	x xxiiii	ii xciii	xxx xliii	xv xlvi	xiiii liii	xi lvii	xlix viii
i vii	x xxiii	ii xciii	xxx xliiii	xv xlvii	xiiii liiii	xi lvii	xlix xi
i viii	x xxii	ii xciii	xxx xlvi	xv xlvii	xiiii lv	xi lvii	xlix xiii
i viiii	x xxi	ii xciii	xxx xlvii	xv xlvii	xiiii lv	xi lviii	xlix xv
i x	x xx	ii xciiii	xxx xlix	xv xlviii	xiiii lvi	xi lviii	xlix xviii
i xi	x xix	ii xciiii	xxx li	xv xlviii	xiiii lvii	xi lviii	xlix xxi
i xii	x xviii	ii xciiii	xxx lii	xv xlviii	xiiii lviii	xi lix	xlix xxiiii
i xiii	x xvii	ii xciiii	xxx liiii	xv xlix	xiiii lix	xi lix	xlix xxvii
i xiiii	x xvi	ii xciiii	xxx lvi	xv xlix	xv ō	xi lix	xlix xxx
i xv	x xv	ii xciiii	xxx lviii	xv l	xv i	xii ō	xlix xxxiii
i xvi	x xiiii	ii xciiii	xxxi ō	xv l	xv ii	xii ō	xlix xxxvi
i xvii	x xiii	ii xciiii	xxxi ii	xv li	xv iii	xii ō	xlix xxxix
i xviii	x xii	ii xciiii	xxxi iiii	xv li	xv iiii	xii i	xlix xliii
i xix	x xi	ii xciiii	xxxi vi	xv lii	xv v	xii i	xlix xlvi
i xx	x x	ii xciiii	xxxi viii	xv lii	xv vi	xii i	xlix xlix
i xxi	x ix	ii xciiii	xxxi x	xv liii	xv vi	xii ii	xlix lii
i xxii	x viii	ii xciiii	xxxi xii	xv liii	xv vii	xii ii	xlix lvi
i xxiii	x vii	ii xciiii	xxxi xiiii	xv liiii	xv viii	xii iii	xlix lix
i xxiiii	x vi	ii xciiii	xxxi xvi	xv liiii	xv ix	xii iii	l ii
i xxv	x v	ii xcv	xxxi xviii	xv lv	xv x	xii iii	l vi
i xxvi	x iiii	ii xcv	xxxi xxi	xv lv	xv xi	xii iiii	l ix
i xxvii	x iii	ii xcv	xxxi xxiii	xv lvi	xv xii	xii iiii	l xiii
i xxviii	x ii	ii xcv	xxxi xxv	xv lvi	xv xiiii	xii v	l xvii
i xxix	x i	ii xcv	xxxi xxvii	xv lvii	xv xv	xii v	l xx
i ō	x ō	ii xcv	xxxi xxix	xv lvii	xv xvi	xii v	l xxiiii

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ii i	ix xxix	ii xxv	xxxi xxxii	xv lviii	xv xvii	xii vi	l xxviii
ii ii	ix xxviii	ii xxv	xxxi xxxv	xv lix	xv xviii	xii vi	l xxxii
ii iii	ix xxvii	ii xxv	xxxi xxxvii	xv lix	xv xix	xii vii	l xxxvi
ii iiii	ix xxvi	ii xxv	xxxi xl	xvi ō	xv xxi	xii vii	l xl
ii v	ix xxv	ii xxv	xxxi xlii	xvi ō	xv xxii	xii vii	l xliiii
ii vi	ix xxiiii	ii xxvi	xxxi xlv	xvi i	xv xxiii	xii viii	l xlix
ii vii	ix xxiii	ii xxvi	xxxi xlvii	xvi i	xv xxv	xii viii	l liii
ii viii	ix xxii	ii xxvi	xxxi xlix	xvi ii	xv xxvi	xii ix	l lix
ii ix	ix xxi	ii xxvi	xxxi lii	xvi ii	xv xxvii	xii ix	li iiii
ii x	ix xx	ii xxvi	xxx liiii	xvi iii	xv xxix	xii ix	li ix
ii xi	ix xix	ii xxvi	xxxi lvii	xvi iii	xv xxx	xii x	li xiiii
ii xii	ix xviii	ii xxvi	xxxii i	xvi iiii	xv xxxii	xii x	li xix
ii xiii	ix xvii	ii xxvi	xxxii v	xvi iiii	xv xxxiii	xii xi	li xxiiii
ii xiiii	ix xvi	ii xxvi	xxxii viii	xvi v	xv xxxv	xii xi	li xxix
ii xv	ix xv	ii xxv	xxxii xii	xvi vi	xv xxxvii	xii xi	li xxxiiii
ii xvi	ix xiiii	ii xxv	xxxii xvi	xvi vi	xv xxxviii	xii xii	li xxxix
ii xvii	ix xiii	ii xxvi	xxxii xx	xvi vii	xv xxxix	xii xii	li xliiii
ii xviii	ix xii	ii xxvii	xxxii xxiiii	xvi vii	xv xli	xii xiii	li xlix
ii xix	ix xi	ii xxvii	xxxii xxvii	xvi viii	xv xlii	xii xiii	li liiii
ii xx	ix x	ii xxvii	xxxii xxxi	xvi viii	xv xliiii	xii xiiii	li lix
ii xxi	ix ix	ii xxvii	xxxii xxxiiii	xvi ix	xv xlv	xii xiiii	lii iiii
ii xxii	ix viii	ii xxvii	xxxii xxxvii	xvi x	xv xlvii	xii xv	lii ix
ii xxiii	ix vii	ii xxvii	xxxii xxxix	xvi xi	xv xlix	xii xvi	lii xiiii
ii xxiiii	ix vi	ii xxvii	xxxii xlii	xvi xii	xv li	xii xvi	lii xix
ii xxv	ix v	ii xxviii	xxxii xlv	xvi xiii	xv lii	xii xvii	lii xxiiii
ii xxvi	ix iiii	ii xxviii	xxxii xlvii	xvi xiii	xv liiii	xii xvii	lii xxix
ii xxvii	ix iii	ii xxviii	xxxii xlix	xvi xiiii	xv lv	xii xviii	lii xxxiiii
ii xxviii	ix ii	ii xxviii	xxxii lii	xvi xv	xv lvi	xii xix	lii xxxviii
ii xxix	ix i	ii xxviii	xxxii liiii	xvi xvi	xv lvii	xii xix	lii xliiii
ii ō	ix ō	ii xxviii	xxxii lvi	xvi xvii	xv lviii	xii xx	lii xlvii

mmetri C A NON ANNO LUNAS SE LE NIS

iii i	viii xxix	ii xxix	lii lviii	xvi xviii	xv lix	xii xxi	li lii
iii ii	viii xxviii	ii xxix	liii ó	xvi xviii	xvi ó	xii xxi	lii lvii
iii iii	viii xxvii	ii xxix	liii ii	xvi xix	xvi ii	xii xxiii	liii l
iii iiii	viii xxvi	ii xxix	liii v	xvi xx	xvi iii	xii xxiii	liii v
iii v	viii xxv	ii xxix	liii vii	xvi xxi	xvi iiii	xii xxiii	liii x
iii vi	viii xxiiii	ii xxix	liii x	xvi xxii	xvi v	xii xxiiii	liii xv
iii vii	viii xxiii	ii xxix	liii xiii	xvi xxiii	xvi vii	xii xxv	liii xix
iii viii	viii xxii	ii xxix	liii xiiii	xvi xxiii	xvi viii	xii xxv	liii xxiiii
iii ix	viii xxi	ii xxix	liii xx	xvi xxiiii	xvi ix	xii xxvi	liii xxviii
iii x	viii xx	ii xxix	liii xxiii	xvi xxv	xvi xi	xii xxvi	liii xxxiii
iii xi	viii xix	ii xxix	liii xxvi	xvi xxvi	xvi xii	xii xxvii	liii xxxvii
iii xii	viii xviii	ii xxix	liii xxix	xvi xxvi	xvi xiiii	xii xxvii	liii xlii
iii xiii	viii xvii	ii xxix	liii xxxii	xvi xxvii	xvi xv	xii xxviii	liii xlvi
iii xiiii	viii xvi	ii xxix	liii xxxvi	xvi xxvii	xvi xvii	xii xxviii	liii li
iii xv	viii xv	ii xxix	liii xxxix	xvi xxviii	xvi xix	xii xxix	liii lv
iii xvi	viii xiiii	ii xxix	liii xlii	xvi xxviii	xvi xx	xii xxix	liiii ó
iii xvii	viii xiii	ii xxix	liii xlv	xvi xxix	xvi xxi	xii xxix	liiii iiii
iii xviii	viii xii	ii xxix	liii xlviii	xvi xxx	xvi xxiii	xii xxx	liiii ix
iii xix	viii xi	ii xxix	liii li	xvi xxx	xvi xxiiii	xii xxx	liiii xiii
iii xx	viii x	ii xxix	liii liiii	xvi xxxi	xvi xxvi	xii xxxi	liiii xvii
iii xxi	viii ix	ii xxix	liii lvii	xvi xxxi	xvi xxvii	xii xxxi	liiii xxii
iii xxii	viii viii	ii xxix	liiii ó	xvi xxxii	xvi xxix	xii xxxi	liiii xxvi
iii xxiii	viii vii	ii xxix	liiii iii	xvi xxxii	xvi xxxi	xii xxxii	liiii xxx
iii xxiiii	viii vi	ii xxix	liiii vi	xvi xxxiii	xvi xxxii	xii xxxii	liiii xxxv
iii xxv	viii v	ii xxix	liiii ix	xvi xxxiiii	xvi xxxiiii	xii xxxiii	liiii xxxix
iii xxvi	viii iiii	ii xxix	liiii xii	xvi xxxiiii	xvi xxxv	xii xxxiii	liiii xliii
iii xxvii	viii iii	ii xxix	liiii xv	xvi xxxv	xvi xxxvi	xii xxxiii	liiii xlvii
iii xxviii	viii ii	ii xxix	liiii xviii	xvi xxxv	xvi xxxvii	xii xxxiiii	liiii lii
iii xxix	viii i	ii xxix	liiii xx	xvi xxxvi	xvi xxxix	xii xxxiiii	liiii lvi
iii ó	viii ó	ii xxx	liiii xxii	xvi xxxvi	xvi xl	xii xxxv	lv ó

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iiii i	vii xxix	ii xxxi	xxxiiii xxv	xvi xxxvii	xvi xli	xii xxxv	lv iiii
iiii ii	vii xxviii	ii xxxi	xxxiiii xxvii	xvi xxxvii	xvi xlii	xii xxxv	lv vii
iiii iii	vii xxvii	ii xxxi	xxxiiii xxx	xvi xxxviii	xvi xliii	xii xxxvi	lv xi
iiii iiii	vii xxvi	ii xxxi	xxxiiii xxxii	xvi xxxviii	xvi xliiii	xii xxxvi	lv xv
iiii v	vii xxv	ii xxxi	xxxiiii xxxiiii	xvi xxxix	xvi xlvi	xii xxxvii	lv xix
iiii vi	vii xxiiii	ii xxxii	xxxiiii xxxvii	xvi xxxix	xvi xlvii	xii xxxvii	lv xxiiii
iiii vii	vii xxiii	ii xxxii	xxxiiii xl	xvi xl	xvi xlviii	xii xxxviii	lv xxvii
iiii viii	vii xxii	ii xxxii	xxxiiii xlii	xvi xl	xvi xlix	xii xxxviii	lv xxxii
iiii ix	vii xxi	ii xxxii	xxxiiii xlv	xvi xli	xvi li	xii xxxviii	lv xxxvi
iiii x	vii xx	ii xxxii	xxxiiii xlviii	xvi xli	xvi lii	xii xxxix	lv xli
iiii xi	vii xix	ii xxxii	xxxiiii l	xvi xlii	xvi liii	xii xxxix	lv xliiii
iiii xii	vii xviii	ii xxxii	xxxiiii liii	xvi xliii	xvi liiii	xii xxxix	lv xlviii
iiii xiii	vii xvii	ii xxxii	xxxiiii lv	xvi xliii	xvi lvi	xii xl	lv lii
iiii xiiii	vii xvi	ii xxxii	xxxiiii lviii	xvi xliiii	xvi lvii	xii xl	lv lvi
iiii xv	vii xv	ii xxxii	xxxv ō	xvi xlv	xvi lviii	xii xl	lvi ō
iiii xvi	vii xiiii	ii xxxii	xxxv i	xvi xlv	xvi lix	xii xli	lvi ii
iiii xvii	vii xiii	ii xxxii	xxxv iii	xvi xlvi	xvi lix	xii xli	lvi iiii
iiii xviii	vii xii	ii xxxii	xxxv iiii	xvi xlvii	xvi ō	xii xli	lvi vi
iiii xix	vii xi	ii xxxii	xxxv v	xvi xlvii	xvi ō	xii xlii	lvi viii
iiii xx	vii x	ii xxxii	xxxv vi	xvi xlviii	xvi i	xii xlii	lvi x
iiii xxi	vii ix	ii xxxii	xxxv viii	xvi xlviii	xvi ii	xii xlii	lvi xii
iiii xxii	vii viii	ii xxxiii	xxxv ix	xvi xlix	xvi ii	xii xliii	lvi xv
iiii xxiii	vii vii	ii xxxiii	xxxv x	xvi xlix	xvi iii	xii xliii	lvi xvii
iiii xxiiii	vii vi	ii xxxiii	xxxv xii	xvi xlix	xvi iiii	xii xliii	lvi xix
iiii xxv	vii v	ii xxxiii	xxxv xiii	xvi xlix	xvi iiii	xii xliii	lvi xxi
iiii xxvi	vii iiii	ii xxxiii	xxxv xiiii	xvi xlix	xvi v	xii xliiii	lvi xxiii
iiii xxvii	vii iii	ii xxxiii	xxxv xvi	xvi l	xvi vi	xii xliiii	lvi xxv
iiii xxviii	vii ii	ii xxxiii	xxxv xvi	xvi l	xvi vi	xii xliiii	lvi xxvii
iiii xxix	vii i	ii xxxiii	xxxv xviii	xvi l	xvi vii	xii xliiii	lvi xxix
iiii ō	vii ō	ii xxxiii	xxxv xx	xvi l	xvi vii	xii xlv	lvi xxxi

numeri communes	C A	NON III	ANNO II	II	LIAS V	SE	LE	NIS VI
xxxi	cccxxviiii	iiii	xxxii	iiii	ii	xxiiii	i	xii
xxxii	cccxxviii	iiii	xli	iiii	ii	xxviii	i	xiiii
xxxiii	cccxxvii	iiii	xlviiii	iiii	ii	xxxii	i	xvi
xxxiiii	cccxxvi	iiii	xlviii	iiii	ii	xxxvi	i	xviiii
xxxv	cccxxv	v	vii	iiii	ii	xl	i	xxi
xxxvi	cccxxiiii	v	xv	iiii	ii	xliiii	i	xxiii
xxxvii	cccxxiii	v	xxiiii	v	ii	xlviii	i	xxv
xxxviii	cccxxii	v	xxxiii	v	ii	lii	i	xxvii
xxxviiii	cccxxi	v	xli	v	ii	lvi	i	xxviiii
xl	cccxx	v	l	v	iii	ō	i	xxxi
xli	cccxviiii	vi	lviiii	vi	iii	iiii	i	xxxvii
xlii	cccxviii	vi	vii	vi	iii	viii	i	xxxviiii
xliii	cccxvii	vi	xvi	vi	iii	xii	i	xl
xliiii	cccxvi	vi	xxv	vii	iii	xvi	i	xli
xlv	cccxv	vi	xxxiii	vii	iii	xx	i	xliiii
xlvi	cccxiiii	vi	xlii	vii	iii	xxiiii	i	xlv
xlvii	cccxiii	vi	l	viii	iii	xxviii	i	xliiii
xlviii	cccxii	vi	lviii	viii	iii	xxxi	i	xlv
xlviiii	cccxi	vii	vii	viii	iii	xxxiiii	i	xlvii
l	cccx	vii	xv	viii	iii	xxxviii	i	xlviii
li	cccviiii	vii	xxiii	viii	iii	xli	i	xlviiii
lii	cccviii	vii	xxxii	viii	iii	xlv	i	l
liii	cccvii	vii	xl	x	iii	xlviii	i	lii
liiii	cccvi	vii	xlviii	x	iii	li	i	liiii
lv	cccv	vii	xlvi	x	iii	liiii	i	lvi
lvi	ccciiii	viii	iiii	xi	iii	lvii	i	lviii
lvii	ccciii	viii	xii	xi	iiii	ō	i	lviiii
lviii	cccii	viii	xx	xi	iiii	iii	ii	i
lviiii	ccci	viii	xxviii	xii	iiii	vi	ii	ii
lx	ccc	viii	xxxvi	xii	iiii	viii	ii	iii

Numeri comunes	CA	NON:	ANO	MALI	AS:	SE	LE	NIS.
i	ii	iii		iiii	v			vi
lxi	ccxcviiii	viii	xliiii	xiii	iiii	xi	ii	v
lxii	ccxcviii	viii	lii	xiii	iiii	xiii	ii	vi
lxiii	ccxcvii	viii	lviiii	xiiii	iiii	xvi	ii	vii
lxiiii	ccxcvi	viiii	vii	xiiii	iiii	xviiii	ii	viii
lxv	ccxcv.	viiii	xv	xv	iiii	xxii	ii	x
lxvi	ccxciiii	viiii	xxii	xv	iiii	xxiiii	ii	xi
lxvii	ccxciii	viiii	xxx	xv	iiii	xxvii	ii	xiii
lxviii	ccxcii	viiii	xxxvii	xvi	iiii	xxviiii	ii	xiiii
lxviiii	ccxci	viiii	xliiii	xvi	iiii	xxxi	ii	xv
lxx	ccxc	viiii	lii	xvi	iiii	xxxiiii	ii	xvi
lxxi	cclxxxix	viiii	lviiii	xvii	iiii	xxxvi	ii	xvii
lxxii	cclxxxviii	x	vi	xvii	iiii	xxxviiii	ii	xviii
lxxiii	cclxxxvii	x	xiii	xviii	iiii	xl	ii	xviiii
lxxiiii	cclxxxvi	x	xx	xviiii	iiii	xlii	ii	xx
lxxv	cclxxxv	x	xxvii	xviiii	iiii	xliiii	ii	xxi
lxxvi	cclxxxiiii	x	xxxiiii	xx	iiii	xlvi	ii	xxii
lxxvii	cclxxxiii	x	xli	xx	iiii	xlviii	ii	xxiii
lxxviii	cclxxxii	x	xlviii	xxi	iiii	xlviiii	ii	xxiiii
lxxix	cclxxxi	x	lv	xxi	iiii	l	ii	xxv
lxxx	cclxxx	xi	ii	xxii	iiii	lii	ii	xxvi
lxxxi	cclxxviiii	xi	viiii	xxii	iiii	liii	ii	xxvii
lxxxii	cclxxviii	xi	xv	xxii	iiii	liiii	ii	xxviiii
lxxxiii	cclxxvii	xi	xxi	xxiii	iiii	lv	ii	xxx
lxxxiiii	cclxxvi	xi	xxvii	xxiii	iiii	lvi	ii	xxxi
lxxxv	cclxxv	xi	xxxiii	xxiiii	iiii	lvii	ii	xxxii
lxxxvi	cclxxiiii	xi	xxxix	xxiiii	iiii	lvii	ii	xxxiii
lxxxvii	cclxxiii	xi	xliiii	xxv	iiii	lviii	ii	xxxiiii
lxxxviii	cclxxii	xi	l	xxv	iiii	lviii	ii	xxxv
lxxxix	cclxxi	xi	lv	xxvi	iiii	lviiii	ii	xxxvi
xc	cclxx	xii	ō	xxvi	iiii	lviiii	ii	xxxvii

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Numeri cōmunē i	CA ii	NON:	ANO iii	MALI iiii	AS:	SE v	LE	HIS; vi
xci	cclxviiii	xii	v	xxvii	iiii	Lviiii	ii	xxxvii
xcii	cclxviii	xii	x	xxvii	v	ō	ii	xxxvii
xciii	cclxvii	xii	xv	xxviii	v	ō	ii	xxxviii
xciiii	cclxvi	xii	xx	xxviii	v	ō	ii	xxxviii
xcv	cclxv	xii	xxiiii	xxviiii	v	i	ii	xxxviii
xcvi	cclxiiii	xii	xxviii	xxx	v	i	ii	xxxviii
xcvii	cclxiii	xii	xxxii	xxx	v	i	ii	xxxviii
xcviii	cclxii	xii	xxxvi	xxxi	v	ō	ii	xxxviiii
xcviiii	cclxi	xii	xxxviiii	xxxi	v	ō	ii	xxxviiii
c	cclx	xii	xlii	xxxii	v	ō	ii	xxxviiii
ci	cclviiii	xii	xlv	xxxii	iiii	Lviiii	ii	xxxviiii
cii	cclviii	xii	xlviii	xxxiii	iiii	Lviiii	ii	xxxviiii
ciii	cclvii	xii	Li	xxxiii	iiii	Lviii	ii	xxxviiii
ciiii	cclvi	xii	Liiii	xxxiiii	iiii	Lviii	ii	xxxviiii
cv	cclv	xii	Lvi	xxxv	iiii	Lvii	ii	xxxviiii
cvi	ccliiii	xii	Lviii	xxxv	iiii	Lvi	ii	xl
cvii	ccliii	xiii	ō	xxxvi	iiii	Lv	ii	xl
cviii	cclii	xiii	ii	xxxvi	iiii	Liii	ii	xl
cviiii	ccli	xiii	iiii	xxxvii	iiii	Lii	ii	xl
cx	ccl	xiii	v	xxxvii	iiii	Li	ii	xxxviiii
cxi	ccxlviiii	xiii	vi	xxxviii	iiii	xlviiii	ii	xxxviii
cxii	ccxlviii	xiii	vii	xxxviii	iiii	xlviii	ii	xxxviii
cxiii	ccxlvii	xiii	viii	xxxviiii	iiii	xlvi	ii	xxxviii
cxiiii	ccxlvi	xiii	viii	xxxviiii	iiii	xliiii	ii	xxxvii
cxv	ccxlv	xiii	viii	xl	iiii	xlii	ii	xxxvi
cxvi	ccxliiii	xiii	vii	xl	iiii	xl	ii	xxxvi
cxvii	ccxliii	xiii	vi	xli	iiii	xxxviii	ii	xxxv
cxviii	ccxlii	xiii	vi	xli	iiii	xxxvi	ii	xxxiiii
cxviiii	ccxli	xiii	v	xlii	iiii	xxxiiii	ii	xxxiii
cxx	ccxl	xiii	iiii	xlii	iiii	xxxii	ii	xxxi

numeri cōmunes	CA	NON:	ANO	MALI	AS;	SE	LE	NIS;
i	ii	iii		iiii	i	v		vi
cxxi	ccxxxix	xiii	iii	xliii	iiii	xxx	ii	xxx
cxxii	ccxxxviii	xiii	ō	xliiii	iiii	xxviii	ii	xxviii
cxxiii	ccxxxvii	xii	lviiii	xliiii	iiii	xxv	ii	xxvii
cxxiiii	ccxxxvi	xii	lvi	xlv	iiii	xxiii	ii	xxvi
cxxv	ccxxxv	xii	liii	xlv	iiii	xx	ii	xxv
cxxvi	ccxxxiiii	xii	l	xlv	iiii	xvii	ii	xxiii
cxxvii	ccxxxiii	xii	xlvi	xlvi	iiii	xiiii	ii	xxii
cxxviii	ccxxxii	xii	xli	xlvi	iiii	xi	ii	xxi
cxxix	ccxxxi	xii	xxxvi	xlvii	iiii	viii	ii	xviiii
cxxx	ccxxx	xii	xxx	xlvii	iiii	v	ii	xviii
cxxxi	ccxxviiii	xii	xxiiii	xlviii	iiii	i	ii	xvii
cxxxii	ccxxviii	xii	xvi	xlviii	iii	lvii	ii	xv
cxxxiii	ccxxvii	xii	viiii	xlviiii	iii	liiii	ii	xiiii
cxxxiiii	ccxxvi	xii	ii	xlviiii	iii	l	ii	xii
cxxxv	ccxxv	xi	liiii	l	iii	xlvi	ii	x
cxxxvi	ccxxiiii	xi	xlvi	l	iii	xliii	ii	viiii
cxxxvii	ccxxiii	xi	xxviii	li	iii	xxxviiii	ii	vii
cxxxviii	ccxxii	xi	xxxviiii	li	iii	xxxv	ii	v
cxxxviiii	ccxxi	xi	xx	lii	iii	xxxi	ii	iii
cxl	ccxx	xi	xi	lii	iii	xxvii	ii	i
cxli	ccxviiii	xi	ii	lii	iii	xxiii	i	lviii
cxlii	ccxviii	xi	liii	liii	iii	xviiii	i	lvi
cxliii	ccxvii	x	xliii	liii	iii	xv	i	liiii
cxliiii	ccxvi	x	xxxiii	liii	iii	xi	i	li
cxlv	ccxv	x	xxii	liiii	iii	vi	i	xlviiii
cxlvi	ccxiiii	x	xi	liiii	iii	ii	i	xlvi
cxlvii	ccxiii	x	ō	l iiii	iii	lvii	i	xliii
cxlviii	ccxii	viiii	xlviii	lv	ii	liii	i	xli
cxlviiii	ccxi	viiii	xxxvii	lv	ii	xlviii.	i	xxxviii
cl	ccx	viiii	xxii	lv	ii	xliii	i	xxxv

numeri cōmunes	C A	NON:	A NO	MALI	AS:	SE	LE	NES
i	ii	iii		iiii		v		vi
cLi	ccviiii	viiii	viii	Lvi	ii	xxxviii	i	xxxii
cLii	ccviii	viii	Liii	Lvi	ii	xxxiii	i	xxviiii
cLiii	ccvii	viii	xxxviii	Lvi	ii	xxxviii	i	xxvi
cLiiii	ccvi	viii	xxii	Lvi	ii	xxxiii	i	xxiiii
cLv	ccv	viii	v	Lvii	ii	xxxviii	i	xxi
cLvi	cciiii	vii	xlviii	Lvii	ii	xii	i	xviii
cLvii	cciii	vii	xxxi	Lvii	ii	vii	i	xvi
cLviii	ccii	vii	xiiii	Lvii	ii	ii	i	xiii
cLviiii	cci	vi	Lv	Lvii	i	Lvii	i	x
cLx	cc	vi	xxxviiii	Lviii	i	Lii	i	viii
cLxi	cxcviiii	vi	xxi	Lviii	i	xlvii	i	vi
cLxii	cxcviii	vi	iii	Lviii	i	xli	i	ii
cLxiii	cxcvii	v	xlv	Lviii	i	xxxvii	i	Lviiii
cLxiiii	cxcvi	v	xxvii	Lviii	i	xxxi	i	Lvi
cLxv	cxcv	v	viii	Lviiii	i	xxv	i	Lii
cLxvi	cxciiii	iiii	xLviiii	Lviiii	i	xviiii	i	xlviiii
cLxvii	cxciii	iiii	xxx	Lviiii	i	xiii	i	xlvi
cLxviii	cxcii	iiii	xi	Lviiii	i	viii	i	xlii
cLxviiii	cxci	iii	Lii	Lviiii	i	iii	i	xxxviiii
cLxx	cxc	iii	xxxii	Lviiii	ō	Lviii	ō	xxxvi
cLxxi	cLxxxix	iii	xii	Lviiii	ō	Lii	ō	xxxii
cLxxii	cLxxxviii	ii	Lii	Lviiii	ō	Lvii	ō	xxviiii
cLxxiii	cLxxxvii	ii	xxxii	Lviiii	ō	xLi	ō	xxvi
cLxxiiii	cLxxxvi	ii	xi	Lviiii	ō	xxxv	ō	xxiii
cLxxv	cLxxxv	i	L	Lx	ō	xxx	ō	xviii
cLxxvi	cLxxxiiii	i	xxviiii	Lx	ō	xx iiii	ō	xv
cLxxvii	cLxxxiii	i	vii	Lx	ō	xviii	ō	xi
cLxxviii	cLxxxii	ō	xLv	Lx	ō	xii	ō	xviii
cLxxviiii	cLxxxi	ō	xxiii	Lx	ō	vi	ō	iiii
cLxxx	cLxxx	ō	ō	Lx	ō	ō	ō	i

Latitudo lune		SO	LIS	LV	NE.
numeri	communes	LONGO	SIS.	LATI	TVDO.
ō	ccclx	xxiii	li	v	ō
iii	ccclvii	xxiii	xlviiii	iiii	lviiii
vi	cccliiii	xxiii	xliii	iiii	lviii
viiii	cccli	xxiii	xxxvi	iiii	lvi
xii	cccxlviii	xxiii	xviii	iiii	liiii
xv	cccxlv	xxiii	ō	iiii	l
xviii	cccxlii	xxii	xxxvii	iiii	xlv
xxi	cccxxxix	xxii	xi	iiii	xl
xxiiii	cccxxxvi	xxi	xli	iiii	xxxv
xxvii	cccxxxiii	xix	vii	iiii	xvii
xxx	cccxxx	xviiii	xxx	iiii	xx
xxxiii	cccxxvii	xviiii	lvi	iiii	xi
xxxvi	cccxxiiii	xviiii	vi	iiii	iii
xxxviiii	cccxxi	xviii	xviiii	iii	liii
xlii	cccxviii	xvii	xxvii	iii	xliii
xlv	cccxv	xvi	xxxvii	iii	xxxii
xlviii	cccxii	xv	xlii	iii	xx
li	cccviiii	xiiii	xlv	iii	viii
liiii	cccvi	xiii	xlvi	ii	xl
lvii	ccciii	xii	xlv	ii	xliii
lx	ccc	xi	xl	ii	xxx
lxiii	ccxcvii	x	xxxv	ii	xvi
lxvi	ccxciiii	viiii	xxviii	ii	ii
lxviiii	ccxci	viii	xx	i	xlviii
lxxii	cclxxxviii	vii	xi	i	xxviii
lxxv	cclxxxv	vi	ō	i	xviii
lxxviii	cclxxxii	iiii	xlviiii	i	iii
lxxxi	cclxxix	iii	xxxviii	ō	xlviii
lxxxiiii	cclxxvi	ii	xxv	ō	xxxii
lxxxvii	cclxxiii	i	xiii	ō	xvi
ō	cclxx	ō	ō	ō	ō

Latitudo lune		SO	LIS	LATI	TVDO
numeri	communes	LONGO	SIS.	LV	NE.
xciii	cclxvii	ō	ō	ō	
xcvi	cclxiiii	i	xiii	ō	
xcix	cclxi	ii	xxvi	ō	
cii	cclviii	iii	xxxix	i	
cv	cclv	iiii	xlix	i	
cviii	cclii	vi	ō	i	
cxi	ccxlviiii	vii	xi	i	
cxiiii	ccxlvi	viii	xx	i	
cxvii	ccxliii	viiii	xxviii	i	
cxx	ccxl	x	xxxv	ii	
cxxiii	ccxxxvii	xi	xl	ii	
cxxvi	ccxxxiiii	xii	xlv	ii	
cxxix	ccxxxi	xiii	xlv	iii	
cxxxii	ccxxviii	xiiii	xlv	iii	
cxxxv	ccxxv	xv	xlii	iii	xx
cxxxviii	ccxxii	xvi	xxxvii	iii	xxxii
cxli	ccxviiii	xvii	xxvii	iii	xliii
cxliiii	ccxvi	xviii	xviiii	iii	lvi
cxlvii	ccxiii	xviiii	xvi	iiii	iii
cl	ccx	xviiii	l	iiii	xi
cliii	ccvii	xx	iiii	iiii	xx
clvi	cciiii	xxi	vii	iiii	xxvii
clix	cci	xxi	xl	iiii	xxxiiii
clxii	cxcviii	xxii	xi	iiii	xl
clxv	cxcv	xxii	xxxvii	iiii	xlv
clxviii	cxcii	xxii	ō	iiii	l
clxxi	clxxxix	xxiii	xviii	iiii	liiii
clxxiiii	clxxxvi	xxiii	xxxvi	iiii	lvi
clxxvii	clxxxiii	xxiii	xliii	iiii	lviii
clxxx	clxxx	xxiii	xlviiii	iiii	lv
		xxiii	liii	v	ō

VIGINTI GRADUS LIBRE.

Exagonum. lxvii. xxx. Tetragonū. c.i. xv. Trigonum. cxxxv. õ.

	Libra.		Scorpius.		Sagittarius.		Capricornus.		Aquarius.		Pisces.	
	Aries		Taurus.		Gemini.		Cancer.		Leo.		Virgo.	
	horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.	
	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
v	vi	õ	xxxi	xxxv	lxxvii	xliii	cxiii	xxxv	cxliiii	xxvii	clxxv	xxv
x	xii	iiii	xlviii	lv	lxxxv	xxv	cxviii	liiii	cxlix	xl	clxxx	xlix
xv	xviii	iiii	lv	iii	xci	xv	cxviii	x	cliii	xlv	clxxxvi	xv
xx	xxiiii	xii	lxi	xv	xcvii	xv	cxxviii	xxxv	clix	xlv	cxci	xlv
xxv	xxx	vi	lxvii	xli	cii	xl	cxxxiii	xxxv	clxiiii	lv	cxcvii	v
xxx	xxxvi	xv	lxxiii	xlvii	cvii	xv	cxxxviii	xv	clxix	xlv	ccii	l

VIGINTI QUINQUE GRADUS LIBRE.

Exagonum. LXVII. II. Tetragonū. c. xxxii. Trigonum. cxxxiiii. III.

v	v	xlviii	xli	lii	lxxix	xxv	cxiii	xxv	cxliiii	xxvii	clxxiiii	xv
x	xi	xlv	xlviii	x	lxxxv	viii	cxviii	xxx	cxlix	xl	clxix	xl
xv	xvii	lv	liiii	xi	xci	vi	cxxiii	xlv	cliiii	xlv	clxxxiiii	lvii
xx	xxiii	xl	lxi	iii	xcvii	v	cxxviii	lv	clix	xlv	cxc	xxv
xxv	xxix	xl	lxvii	x	cii	xxx	cxxxiii	lv	clxiiii	lv	cxcv	xxv
xxx	xxxv	xl	lxxiiii	xx	cvii	lv	cxxxviii	lv	clxix	xlv	cci	v

TRIGINTA GRADUS LIBRE

Exagonum. lxvi. LIII. Tetragonum. c.xxxii. Trigonū. cxxxiiii. III.

v	v	xlv	xli	lviii	lxxix	xxxiii	cxiii	xlvi	cxliiii	lvi	clxxiiii	xxxiiii
x	xi	l	xlviii	xiii	lxxxv	xxviii	cxviii	lviii	cxlix	lix	clxxix	xxxix
xv	xvii	xlv	liiii	xxxiii	xci	xxiii	cxxiiii	viii	clv	l	clxxxv	ix
xx	xxiii	xxxv	lx	li	xcvii	xvi	cxxix	xxi	clix	li	cxc	xx
xxv	xxix	xxxv	lxvii	xi	ciii	i	cxxxiiii	xxxviii	clxiiii	xxxvi	cxcv	xxix
xxx	xxxv	xxxiii	lxxiii	xxviii	cviii	xxxiii	cxxxix	xlvi	clxix	xvi	cc.õ.	xxxix

QVINQVE GRADVS SCORPIONIS

	EXAGONVM. V. XXVIII.				TETRAGONVM. XCVIII. LVIII.				TRIGONVM. CXXXI. LVI.			
	SCORPIVS.		SAGITARIVS.		CAPRICORNVS		AQVARIVS.		PISCES.		ARIES.	
	TAVRVS.		GEMINI.		CANCER.		LEO.		VIRGO.		LIBRA	
	horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.	
	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS.	MINVTE.
v	vi	xii	xliii	l	lxxviii	xviii	cviii	viii	cxxvi	xxi	clxvi	xxxviii
x	xii	xxv	xlix	xl	lxxxiii	xxxviii	cxiii	xviii	cxli	xxi	clxxii	xxiii
xv	xviii	xliii	lv	xli	lxxxviii	xxxiii	cxvii	xlviii	cxlvi	xxi	cxxviii	i
xx	xxiiii	l	lxi	xlii	xciii	xxxvi	cxxii	xviii	cli	xvi	clxxxiii	xliii
xxv	xxxi	xv	lxvii	xxx	xcviii	xxviii	cxxvii	0	clvi	xvi	clxxxix	xxv
xxx	xxxvii	xl	lxxiii	xlviii	ciii	xviii	cxxxi	xxvi	clxi	xiii	cxcv	iii

DECEM GRADVS SCORPIONIS

	EXAGONVM. LXV. .I.				TETRAGONV. LXXVII. XXXI.				TRIGONVM. CXXX. .II.			
v	vi	xxiii	xliii	l	lxxviii	x	cviii	xx	cxxvi	x	clxv	xxiii
x	xii	xlv	xlviii	xl	lxxxiii	xxx	cxiii	iii	cxli	v	clxxi	xv
xv	xviii	l	lv	xlii	lxxxviii	xlv	cxvii	liii	cxlv	l	clxxvi	xlv
xx	xxiiii	v	lxi	liii	xciii	liii	cxxii	xx	cl	xxxv	clxxxii	v
xxv	xxxi	xx	lxvii	xxv	xcviii	xlv	cxxvi	liii	clv	xv	clxxxvii	xxxv
xxx	xxxvii	xxx	lxxiii	0	ciii	xxv	cxxxi	xx	clx	x	cxciii	x

QVINDECIM GRADVS SCORPIONIS.

	EXAGONVM. LXIIII. XIIII.				TETRAGONV. XCVI. XXXV.				TRIGONVM. CXXVIII. XLVI.			
v	vi	xxxv	xlii	xxxv	lxxvi	xxx	cv	xxxv	cxxi	xxv	clxi	ii
x	xii	xxx	xlviii	lv	lxxxi	xliii	cx	xxiiii	cxxvii	xv	clxv	xxxvii
xv	xviii	xl	liiii	xx	lxxxvi	liii	cxiiii	lv	cxlii	0	clxxi	lvi
xx	xxiiii	xl	lx	x	xci	xx	cxvi	xxx	cxlvi	xxxvii	clxxvii	lv
xxv	xxix	lii	lxv	xx	xcvi	xxx	cxxiii	xxxv	cl	vii	clxxxiii	v
xxx	xxxvi	x	lxxi	0	c	lv	cxxvii	xlv	clv	xlviii	clxxxvi	lv

VIGINTI GRADUS SCORPIONIS

Exagonum. lxii. xviii.				Tetragonu. xciii. xxiiii.				Trigonum. cxxiiii. xxiiii.			
Scorpius.		Sagitarius.		Capricornus.		Aquarius.		Pisces.		Aries.	
Taurus.		Gemini.		Cancer.		Leo.		Virgo.		Libra.	
horoscopus.		horoscopus.		horoscopus		horoscopus		horoscopus.		horoscopus.	
Gradus	minut.	Gradus	minut.	Gradus	minut.	Gradus	minut.	Gradus	minut.	Gradus	minut.
vi	xv	xliii	xxxv	lxxvi	xxx	cv	xxxv	cxxxi	xxv	clxi	ii
xii	xxx	xlviii	xxxv	lxxxi	xliii	cx	xxiii	cxxxvii	xv	clxvi	xxxvii
xviii	xl	liiii	xx	lxxxvi	liii	cxiiii	lv	cxlii	ō	clxxi	xxxvi
xxiiii	xl	lx	x	xci	xl	cxvi	xxx	cxlvi	xxxvii	clxxvii	xv
xxix	lii	lxv	xx	xcvi	xxx	cxxiii	xxxv	cl	lvii	clxxxii	v
xxxvi	x	lxxi	ō	c	lv	cxxvii	xlv	clv	xlvii	clxxxvii	lv

VIGINTI QUINQUE GRADUS SCORPIONIS.

Exagonum. lx. xl.				Tetragonum. xci. i				Trigonum. cxxi. xxii.			
vi	ō	xli	lv	lxxv	xxxv	ciiii	xxxvii	cxix	xxxiii	clvii	i
xii	ō	xlviii	ō	lxxx	xxiii	cviii	lviii	cxxiiii	ix	clxii	xv
xviii	ō	liii	lvii	lxxxv	xiii	cxiii	xxix	cxxviii	xxxviii	clxvii	xix
xxiii	x	lix	iiii	xc	viii	cxviii	l	cxliii	xxvi	clxxii	xxiii
xxix	xxv	lxiiii	xl	xciiii	lvii	cxxi	xxii	cxlvii	xxvi	clxxvii	iii
xxxv	xxxv	lxx	v	xcix	xlvii	cxxiiii	lviii	cli	liii	clxxxii	iii

TRIGINTA GRADUS SCORPIONIS.

Exagonum. lxi. ō.				Tetragonum. xci. xxx.				Trigonum. cxxxi. xxii.			
vi	x	xliii	xxxii	lxxvii	xvi	cv	xxxvi	cxxxi	ō	clvii	xlvii
xii	viii	xlviii	xxii	lxxxii	ō	cix	lvii	cxxxv	xxxi	clxii	xlviii
xviii	iii	liiii	xx	lxxxvii	xii	cxiiii	xii	cxl	v	clxvii	xlix
xxiii	xliii	lx	xxxiiii	xcii	i	cxviii	xxix	cxliiii	x	clxxii	liii
xxix	xliii	lxvi	xii	xcvi	xliiii	cxxii	xxvii	cxlviii	xx	clxxvii	ō
xxxvi	ii	lxxi	xlii	ci	xxii	cxxvi	l	clii	xlv	clxxxiii	ō

QVINQVE GRADVS SAGITARII.

Exagonum. lix. xx.				Tetragonum. lxxxix. õ.				Trigonú. cxviii. xl.			
SAGITARIVS.		CAPRICORNVS.		AQVARIVS.		PISCES.		ARIES		TAVRVS.	
GEMINI.		CANCER		LEO.		VIRGO.		LIBRA		SCORPIVS	
horoscopus		horoscopus.		horoscopus		horoscopus.		horoscopus		horoscopus.	
GRADVS	MINVTE	GRADVS	MINVTE.	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS	MINVTE	GRADVS.	MINVTE.
vi	x	xl	l	lxviii	lvii	xciii	lv	cxvi	xlviii	cxlix	xlvii
xii	iii	xlv	xl	lxxiii	x	xcviii	lv	cxxiii	xxxiiii	clv	xxxvi
xviii	viii	l	l	lxxvii	xx	cii	xxvii	cxxix	xxiiii	clxi	xxv
xxiiii	xi	lv	xl	lxxxi	xxx	cvi	xxxv	cxxxiiii	xiiii	clxvii	xv
xxix	l	lx	xv	lxxxv	xxxviii	cx	xlii	cxxxix	vii	clxxiii	v
xxxv	xii	lxiiii	xlv	lxxxix	xlv	cxiiii	lv	cxliiii	lv	clxxviii	õ

DECEM GRADVS SAGITARII.

Exagonum. lviii. xxvii.				Tetragonum. lxxxvii. xl.				Trigonum. cxvi. liiii.			
vi	x	xl	xlii	lxviii	xlix	xciii	xvii	cxviii	v	cxlvii	ix
xii	iii	xlv	xlvii	lxxii	xxxv	xcvii	xxiiii	cxxii	l	cliii	õ
xviii	viii	l	l	lxxvii	v	ci	xxix	cxxvii	xl	clix	õ
xxiiii	xi	lv	xlii	lxxxi	xii	cv	xxxv	cxxxii	xx	clxiiii	li
xxix	l	lx	xl	lxxxv	xviii	cix	xxxvii	cxxxvii	viii	clxx	xxx
xxxv	xii	lxiiii	xl	lxxxix	x	cxiii	xl	cxli	li	clxxv	xxi

QVIDECIM GRADVS SAGITARII.

Exagonum. lvii. xlvi				Tetragonum. lxxxvi. xxxix.				Trigonum. cxv. xxxii.			
vi	xx	xli	iii	lxviii	lviii	xcii	xlviii	cxvi	liii	cxlv	vii
xii	x	xlv	lvii	lxxiii	xvii	xcvi	lviii	cxxi	xxiii	cl	xlvii
xviii	xv	l	lvi	lxxvii	xviii	c	xlviii	cxxv	lvi	clvi	xvii
xxiiii	xv	lv	xlviii	lxxxi	xxviii	ciiii	xlviii	cxxx	xxviii	clxii	xlvi
xxix	xii	lx	xxiii	lxxxv	viii	cviii	xxxviii	cxxxv	iii	clxvii	xxxvii
xxxv	xxviii	lxiiii	xxxviii	lxxxviii	xlviii	cxii	xxviii	cxxxix	xxxvii	clxxiii	xviii

VIGINTI GRADUS SAGITARII.

Exagonum. lvi. xxii. Tetragonum. lxxxiiii. xxxii. Trigonum. cxii. xliiii.

Sagitarius.		Capricornus.		Aquarius.		Pisces.		Aries.		Taurus.	
Gemini.		Cancer.		Leo.		Virgo.		Libra.		Scorpius.	
horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.	
Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
vi	xx	xl	xxxv	lxviii	xxv	xc	l	cxiiii	v	cxli	xx
xii	viii	xlv	xl	lxxii	xliii	xciiii	xl	cxviii	xl	cxlvii	ó
xviii	iii	l	xxiiii	lxxvi	xlv	xcviii	xxxv	cxxii	lv	clii	xxviii
xxiiii	x	lv	xxv	lxxx	xxxv	cii	xx	cxxvii	v	clvii	xl
xxix	xlv	lix	xlv	lxxxiiii	xxv	cvi	ix	cxxxi	xl	clxiii	xii
xxxv	v	lxiiii	xv	lxxxvii	ó	cix	lv	cxxxvi	x	clxix	v

VIGINTI QUINQUE GRADUS SAGITARII.

Exagonum. lv. xxxviii. Tetragonum. lxxiii. xxvi. Trigonum. cxi. xv.

vi	xv	xl	xxxviii	lxviii	v	xc	xviii	cxiii	liii	cxl	xiii
xii	lv	xlv	xxx	lxxii	xv	xciiii	xlviii	cxviii	vi	cxlv	xli
xvii	l	l	xx	lxxvi	v	xcviii	xxxi	cxxii	xi	cli	viii
xxiiii	l	lv	viii	lxxix	lv	cii	x	cxxvi	xxiiii	clvi	xviii
xxix	xv	lix	xlv	lxxxiii	xxxv	cv	xlvi	cxxx	xliii	clxi	xxxviii
xxxiiii	l	lxiiii	ó	lxxxvii	viii	cix	xlviii	cxxxv	iii	clxvi	xiii

TRIGINTA GRADUS SAGITARII.

Exagonum. liiii. xxxi. Tetragonum. lxxxi. xlvi. Trigonum. cix. xv.

vi	x	xxxix	lv	lxvii	xxx	xc	xxxiii	cxii	xxv	cxxxvii	xlviii
xii	l	xliiii	lv	lxxi	xlv	xciiii	xxiii	cxvi	xxxiii	cxliii	vi
xvii	l	xlix	xlv	lxxv	xxx	xcviii	xi	cxx	xxvi	cxlvii	xlviii
xxiii	xl	liiii	xxv	lxxix	xx	ci	xxviii	cxxiiii	xxiii	cliii	iii
xxix	x	lviii	lii	lxxxii	liiii	ciiii	liii	cxxviii	xxiii	clviii	x
xxxiiii	xxv	lxiiii	xv	lxxxvi	xxxiii	cviii	iii	cxxxii	xviii	clxiii	xxxiii

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QVINQVE GRADVS CAPRICORNI.

Exagonum. liii. ix.				Tetragonu. lxxix. xliii.				Trigonum. cvii. xviii.			
Capricornus.		Aquarius		Pisces.		Aries.		Taurus.		Gemini.	
Cancer.		Leo.		Virgo		Libra.		Scorpius.		Sagitarius.	
horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.	
gradus	minuta	gradus	minuta	gradus	minuta	gradus	minuta	gradus	minuta	gradus	minuta
v	xxviii	xxiii	vii	lv	xv	lxxvi	xiii	xcix	l	cxxi	v
x	xl	xxxvii	xii	lviii	xii	lxxx	xviii	ciiii	xlix	cxxvi	xxvii
xv	xxx	xli	ii	lxii	xxv	lxxxiiii	xiiii	cix	l	cxlii	xxviii
xx	xx	xliiii	xlii	lxv	lv	lxxxviii	iii	cxiiii	l	cxlviii	xvii
xxiiii	xlviii	xlviii	vii	lxix	x	xcii	iii	cxvi	xl	cliii	xvii
xxix	ii	li	xl	lxxii	xviii	xcvi	o	cxxv	vii	clix	xxvii

DECEM GRADVS CAPRICORNI.

Exagonum. lii. xlviii.				Tetragonum. lxxix. xii.				Trigonum. cv. xxxvii.			
v	xxxv	xxxiii	xix	lv	vii	lxxv	xlvi	xcix	xxvii	cxxx	xii
x	xxxv	xxxvii	xix	lviii	xxxvii	lxxix	xxiii	ciiii	xxv	cxxxv	xlviii
xv	xxv	xli	ix	lxii	ii	lxxxiii	vii	cix	vi	cxli	xxiii
xx	viii	xliiii	xliiii.	lxv	xxii	lxxxvi	lv	cxiii	xlvii	cxlvii	xii
xxiiii	xlv	xlviii	xlviii	lviii	xxxvii	xc	xlv	cxix	v	clii	lv
xxix	ix	li	li	lxxi	lvii	xciiii	xlvii	cxxiii	xii	clviii	xxv

v	xxx	xxiii	xx	lv	i	lxxiiii	xviii	xcvi	xvi	cxxvi	xxiii
x	xx	xxxvii	x	lviii	viii	lxxvii	xviii	ci	xiiii	cxxxi	xlviii
xv	xx	xl	lviii	lxi	xxviii	lxxx	xxxvi	cv	lvi	cxxxvii	xxxvi
xx	x	xlviii	xxx	lxiiii	xlviii	lxxxiiii	xiii	cx	xlviii	cxliii	xxiii
xxiii	xlv	xlviii	viii	lxviii	viii	lxxxviii	iii	cxv	xxxvi	cxlix	iii
xxix	x	li	xxviii	lxxi	xxviii	xci	lvi	cxx	xxxvi	cliiii.	xxviii

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VIGINTI GRADUS CAPRICORNI.

Exagonum. LI. XXIX.				Tetragonum. LXXVII. XIIII.				Trigonum. CII. LVIII.			
CAPRICORNUS.		AQUARIUS		PISCES.		ARIES		TAURUS.		GEMINI.	
CANCER		LEO.		VIRGO		LIBRA.		SCORPIUS		SAGITARIUS.	
horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.	
GRADUS	MINUTA	GRADUS	MINUTA	GRADUS	MINUTA	GRADUS	MINUTA	GRADUS	MINUTA	GRADUS	MINUTA
v	xv	xxxiii	x	lv	xv	lxxv	viii	xcvii	xxv	cxxvi	xxv
x	x	xxxvi	l	lviii	xl	lxxviii	l	cii	iii	cxxi	lv
xv	x	xl	xl	lxi	lv	lxxxii	xxx	cvi	xxxv	cxxvii	xxxv
xx	x	xliiii	xx	lxv	v	lxxxvi	x	cxi	xx	cxliii	xv
xxiiii	xl	xlviii	v	lxviii	xv	lxxxix	xlviii	cxvi	v	xlviii	xlvii
xxix	x	lii	o	lxxi	xxx	xciii	v	cxx	lv	cliii	xlviii

VIGINTI QUINQUE GRADUS CAPRICORNI.

Exagonum. L. LIX.				Tetragonum. LXXVI. XXIX.				Trigonum. CI. LVII.			
v	xxv	xxxiii	xxx	liiii	xl	lxxiiii	xiii	xcv	xii	cxxv	xiii
x	xx	xxxvii	xviii	lviii	x	lxxvii	xlv	c	xxxvii	cxxx	xliii
xv	xxviii	xli	viii	lxi	xx	lxxxi	xv	cv	xviii	cxxxvi	xiii
xx	xv	xliiii	xl	lxiiii	xxxv	lxxxiiii	l	cix	lii	cxli	liii
xxv	o	xlviii	viii	lxvii	xlv	lxxxviii	xx	cxiiii	xxiii	cxlvii	xxiii
xxix	xxviii	li	xx	lxx	lv	xci	lvi	cx	xxiiii	clii	lviii

TRIGINTA. GRADUS. CAPRICORNI.

Exagonum. L. XXXIIII.				Tetragonum. LXXV. LI.				Trigonum. CI. IX.			
v	xxx	xxiii	xlviii	lv	viii	lxxiiii	xviii	xxvi	iii	cxiiii	x
x	xxv	xxxvii	xlviii	lviii	xvi	lxxvii	xlviii	c	xxiii	cxxix	xxx
xv	xxx	xli	xxviii	lxi	xxviii	lxxxi	viii	ciiii	lviii	cxxxv	viii
xx	xxxv	xlv	xiii	lxiiii	xxviii	lxxxiiii	xliii	cix	xxiii	cxl	xl
xxv	x	xlviii	xxxii	lxvii	xlviii	lxxxviii	xxiii	cxiii	lvi	cxlvi	x
xxix	xlviii	li	xlviii	lxx	lviii	xci	lviii	cxviii	xl	cli	xliii

QVINQVE GRADVS AQVARII.

Exagonum. L. xxxiii.				Tetragonū. lxxiii. xlix.				Trigonum. ci. v.			
Aquarius.		Pisces.		Aries.		Taurus.		Gemini.		Cancer.	
Leo.		Virgo.		Libra.		Scorpius.		Sagitarius.		Capricornus.	
horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.		horoscopus.	
Gradus.	minute.	Gradus.	minute.	Gradus	minute	Gradus	minute	Gradus	minute	Gradus	minute.
iiii	x	xxv	xxvi	xliiii	xxviii	lxvi	iii	xciii	xxviii	cxxvi	xxviii
viii	ō	xxviii	liii	xlvii	xlviii	lxx	viii	xviii	xxviii	cxxi	xxviii
xi	xl	xxi	liii	li	iii	lxxiiii	xxiii	ciiii	viii	cxxvi	xxiii
xv	xviii	xxiiii	lviii	liiii	xxviii	lxxviii	xliii	cxx	xlviii	cxli	xxiii
xviii	lviii	xxviii	ō	lviii	viii	lxxiiii	xiii	cxv	viii	cxlvi	viii
xxii	xviii	xli	viii	lxi	xliii	lxxvii	liii	cxx	xliii	cli	xxviii

DECEM GRADVS AQVARII.

Exagonum. xlix. xxv.				Tetragonū. lxxiii. xxii.				Trigonum. xcix. x.			
iiii	ō	xxv	ō	xliiii	xv	lxiiii	xlv	xci	xlv	cxxiiii	x
viii	ō	xxviii	xl	xlvii	xxx	lxviii	lv	xcvii	ō	cxxix	xx
xi	xlv	xxi	xlv	l	liii	lxxiii	v	cii	xxv	cxxiiii	xx
xv	xxviii	xxiiii	lvii	liiii	v	lxxvii	xxv	cviii	ō	cxxxix	xx
xxviii	l	xxvii	lvii	lvii	xxxvii	lxxxi	l	cxiii	xx	cxliii	x
xxii	xv	xli	lx	lx	lv	lxxvi	xxx	cxviii	l	cxlviii	xlv

QVINDECIM GRADVS AQVARII.

Exagonum. xlix. xxviii.				Tetragonum. lxxiii. xii.				Trigonum. xcviii. lvii.			
iiii	ii	xxvi	xl	xliiii	xlv	lxiiii	l	xci	xxxv	cxxiii	xl
viii	v	xxix	xxx	xlviii	ō	lxviii	xv	xcvi	xv	cxxviii	l
xii	iii	xxxix	v	li	xx	lxxiii	xv	ci	lviii	cxxxiiii	ō
xv	xlv	xxxvi	ō	liii	xxxv	lxxvii	xv	cvi	xxv	cxxxix	ō
xix	xxxv	xxviii	xlv	lvii	l	lxxxi	xlv	cxii	l	cxliii	xlv
xxiii	xx	xli	xxxv	lx		lxxxvi	x	cxviii	x	cxlviii	xxv

VIGINTI GRADUS AQUARII.

Exagonum. xlviii. liiii.				Tetragonum. lxxiii. xxi.				Trigonum. xciii. xlviii.			
Aquarius.		Pisces.		Aries.		Taurus		Geminі.		Cancer.	
Leo.		Virgo.		Libra		Scorpius.		Sagitarius.		Capricornus	
horoscopus.		horoscopus.		horoscopus.		horoscopus		horoscopus.		horoscopus	
Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus.	Minute.
iii	l	xxv	xx	xliii	xlv	lxiii	xl	lxxix	xxx	cxxii	ō
vii	lviii	xxviii	xxxvii	xlvii	ō	lxvii	xl	xciiii	xxxiii	cxxvii	v
xi	xlv	xxxi	xlv	l	xv	lxxi	xlv	xcix	liii	cxxxii	x
xv	xvii	xxxiiii	xlix	liii	xxv	lxxv.	xlv	cv	xxx	cxxxvii	xv
xviii	l	xxxvii	xlv	lvi	xl	lxxx	ō	cx	lii	cxlii	ō
xxii	v	xl	xlv	lix	l	lxxxiiii	xxx	cxvi	xx	cxlvi	xlii

VIGINTI QUINQUE GRADUS AQUARII.

Exagonum. xlviii. xlix.				Tetragonum. lxxiii. xiiii				Trigonum. xcvii. xxxviii.			
iiii	xv	xxvi	v	xliiii	xxii	lxiii	lv	lxxxix	xl	cxxi	xxx
viii	xv	xxix	xxv	xlvii	xxxii	lxvii	lv	xciiii	xlv	cxxvii	xl
xii	v	xxxii	xxv	l	xxxvii	lxxi	lv	c	ō	cxxxi	xliiii
xv	xlv	xxxv	xxv	liii	xlii	lxxv	ō	cv	x	cxxxvi	lv
xix	xv	xxxviii	xxv	lvi	lv	lxxx	x	cx	xxx	cxli	lv
xxii	l	xli	xxii	lx	x	lxxxiiii	xxv	cxv	lv	cxlvi	xxvii

TRIGINTA. GRADUS. AQUARII.

Exagonum. xlviii. xlii.				Tetragonum. lxxiii. ii.				Trigonum. xcvii. xxiii.			
iii	xiiii	xxvi	v	xliiii	xx	lxiii	l	lxxxix	xii	cxx	xxx
viii	xv	xxix	xx	xlvii	xxiii	lxvii	xliiii	xciiii	v	cxxvi	ō
xii	ō	xxxii	xx	l	xxx	lxxi	xliii	xcix	xxviii	cxxxi	ō
xv	xlii	xxxv	xx	liii	xl	lxxv	xxxv	ciiii	xlv	cxxxvi	xv
xix	xx	xxxviii	xviii	lvi	xlv	lxxix	li	cx	ō	cxli	xv
xxix	l	xli	xx	lx	x	lxxxiiii	x	cxv	xx	cxlvi	v

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QVINQVE GRADVS PISCIVM.

Exagonum. xlviii. xix.				Tetragonum. lxxiii. xxix.				Trigonum. xcvi. xxxix.			
Pisces.		Aries.		Taurus.		Gemini.		Cancer.		Leo.	
Virgo.		Libra.		Scorpius.		Sagitarius.		Capricornus.		Aquarius.	
horoscopus.		horoscopus.		horoscopus.		horoscopus		horoscopus.		horoscopus.	
Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute	Gradus	Minute
iii	x	xxi	xv	xl	xxx	lxv	xxviii	xcvi	xliii	cxxvi	xviii
vi	xv	xxiiii	xv	xliiii	xxv	lxx	xviii	ci	lvi	cxxx	xxvi
ix	xx	xxvii	xx	xlviii	x	lxxv	xxiii	cvii	viii	cxxxiiii	viii
xii	xxv	xxx	xxv	lii	xv	lxx	xliii	cxii	xiii	cxxxviii	iii
xv	xxx	xxxiiii	xl	lvi	xxv	lxxv	lviii	cxvii	xiii	cxli	xl
xviii	xxx	xxxvii	o	lx	xxxviii	xci	xxviii	cxxii	xviii	cxliiii	lviii

DECEM GRADVS PISCIVM.

Exagonum. xlviii. xxxviii.				Tetragonum. lxxii. lviii.				Trigonum. xcvii. xvii.			
iii	xii	xxi	xxxv	xl	lv	lxv	xv	xcvii	o	cxxvi	xv
vi	xx	xxiiii	xxx	xliiii	xxv	lxx	xx	cii	x	cxxx	lii
ix	xxx	xxviii	xxx	xlviii	xl	lxxv	xxv	cvi	xxx	cxxxiiii	l
xii	xxx	xxx	xlv	lii	xxx	lxx	xxxix	cxii	xxx	cxxxviii	xlix
xv	xxx	xxxiiii	o	lvi	xxx	lxxxv	lviii	cxvii	xlii	cxlii	xx
xviii	xxx	xxxvii	x	lx	xl	xci	xxx	cxxii	xl	cxlv	lv

QVINDECIM GRADVS PISCIVM.

Exagonum. xlviii. xxxviii				Tetragonum. lxxii. lviii.				Trigonum. xcvii. xvii.			
iii	v	xxi	xxx	xl	xxv	lxv	xv	xcvi	xxv	cxxvi	xl
vi	xxx	xxiiii	xxv	xlviii	xxv	lxix	xlv	ci	xlv	cxx	lii
ix	xxxv	xxvii	xxx	xlviii	xxxv	lxxiiii	lv	cvi	lv	cxxxv	o
xii	xlii	xxx	xxxv	li	xlv	lxx	xv	cxii	vii	cxxviii	xlv
xv	xxxviii	xxxiii	lv	lv	xxxv	lxxv	xxv	cxvii	x	cxlii	xx
xviii	xxxv	xxxvi	lv	lv	xv	xc	lv	cxxii	xxx	cxlv	lv

VIGINTI GRADVS PISCIVM.

Exagonum. xlviii. xxxviii				Tetragonum. lxxii. lviii.				Trigonum. xcvii. xvii.			
Pisces.		Aries.		Taurus.		Gemini.		Cancer		Leo.	
Virgo.		Libra		Scorpius.		Sagittarius.		Capricornus.		Aquarius.	
horoscopus		horoscopus.		horoscopus		horoscopus		horoscopus		horoscopus.	
Gradus	Minutae	Gradus	Minutae	Gradus	Minutae	Gradus	Minutae	Gradus	Minutae	Gradus	Minutae
iii	xx	xxi	xl	xl	xxx	lxv	x	xcvi	x	cxvi	xxx
vi	xxx	xxiiii	xlv	xliiii	xxv	lxix	l	ci	xx	cix	xlv
ix	xlv	xxvi	l	xlviii	xxxv	lxxiiii	xxxvi	cvi	xlv	cxxiii	vii
xii	l	xxx	l	li	xlv	lxxix	xxxv	cxi	l	cxxviii	xliiii
xv	xlv	xxxiiii	xxx	lv	lv	lxxv	ō	cxvii	x	cxlii	xxv
xviii	xlv	xxxvii	ō	lx	lv	xc	xxxv	cxxii	xv	cxlvi	lv

VIGINTI QVINQVE. GRADVS. PISCIVM.

Exagonum. xlviii. xlv.				Tetragonum. lxviii. viii				Trigonum. xcvii. xxx.			
iii	x	xxi	xl	xl	xl	lxiiii	xlv	xcv	xxv	cxvi	xxx
vi	xxx	xxiiii	xlv	xliiii	xv	lxix	xxv	c	l	cix	xxxv
ix	xlv	xxvii	l	xlvii	l	lxxiiii	xxxv	cvi	x	cxxiiii	xlv
xii	l	xxx	l	li	xxv	lxxix	xxv	cxi	xxx	cxxviii	xl
xv	xlv	xxxiiii	iii	lv	xxx	lxxxiiii	xl	cxvi	liii	cxlii	xxv
xviii	xlv	xxxvii	ō	lix	l	xc	v	cxxii	ō	cxlvi	xv

TRIGINTA. GRADVS. PISCIVM.

Exagonum. xlviii. l				Tetragonum. lxxiii. xv.				Trigonū. xcviii. xli			
iii	xviii	xxi	lix	xl	xlv	lxiiii	xxxv	xcv	xiii	cxvi	xxxi
vi	xxxiiii	xxiiii	lviii	xliiii	xxv	lxx	iiii	c	xxxvii	cix	xlvi
ix	xxxvi	xxviii	ō	xlviii	vii	lxxiiii	xv	cvi	iii	cxxiiii	li
xii	xl	xxx	iiii	li	xxxv	lxxix	xvi	cxi	xxxiiii	cxxviii	lix
xv	xlv	xxxiiii	xii	lv	xli	lxxxiiii	xxiiii	cxvi	xliii	cxlii	xlix
xix	ō	xxxvii	xxv	lix	lv	lxxxix	xlv	cxxii	l	cxlvi	xxxi